

Title: Method For Selectively Separating Live Cells Expressing A Specific Gene
Inventors: ISHIBASHI et al.
Atty Docket No.: 400684/SOEI
Leydig, Voit & Mayer, Ltd.
202-737-6770

Fig. 1

10 20 30 40 50
 AUCACUCUCCCCAACACUACUCACAGUAACCUCACUCCUGCCACAAAUGUACAGGAU
 70 80 90 100 110
 AACUCCUGUCUUGCAUUGCACUAAGUCUUGCACUUGUCACAAACAGUGCACCUACUUC
ACGTGATT CAGAACGTGAACAGTGT TTT GTC
 77-91 92-106

130 140 150 160 170
 GUUCUACAAAGAAAACACAGCUACAAACUGGAGCAUUUACUGCUGGAUUUACAGAUGAU
 190 200 210 220 230
 UGA AUGGAAUUUAAUAAUACAAGAAUC~~CCAAACUCACCCAGGAUG~~CUCACAUUUAGUU
ATGTTCTTAGGGTTTGAGTGGTCCTACGAG~~G~~TGTAAATTCAA
 198-212 213-227 228-242

250 260 270 280 290
 ACAUGCCCCAAGAAGGCCACAGAACUGAAACAUCUUCAGUGUCUAGAGAAGAACUCA
TGTACGGGTTCTTCCGG~~T~~CTTCTTGAGT
 243-257 287-301

310 320 330 340 350
 CUCUGGAGGAAGUGC~~UAAUUUAGCUAAAGC~~AAAAACUUUACUUAGAACCCCAGGG
GAGACCTCTTCACGA~~G~~TGAATTCTGGGTCCCT
 302-316 342-356

370 380 390 400 410
 UAAUCAGCAAAUCAACGUAAUAGUUCUGGAACUAAAGGGGAUCUGAAACACAUUCAU
ATTAGTCGTTA
 357-371

430 440 450 460 470
 GUGAAUAUGCUGAUGAGACAGAACCAUUGUAGAAUUUCUGAACAGAUGGAUUACCUU
 490 500 510 520 530

GUAAAGCAUCUCAACACUAACUUGUAUUAAAGUGCUUCCACUUAAAACAUUA
 GGCCUUCUAUUUAUUAAAUAUUAAUUUAUUUAUUGUUGAAUGUAUGGUUUGC
 550 560 570 580 590 600
 CCUAUUGUAACUAUUUUCUUAUCUAAAACUAUAAAUAUGGAUCUUUAUGA
 UUGUAAGCCCAGGGCUCUAAAUGGUUUCACUUUUUAUCCAAAUAUUUAUU
 610 620 630 640 650 660
 670 680 690 700 710 720
 UGUUGAAUGUAAAUAUAGUAUCUAUGUAGAUUGGUAGUAAAACUAUUAAA
 730 740 750 760 770 780
 AUAAAUAUAAAAC
 790 800

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Fig.2

10 20 30 40 50 60
GAUCGUUAGCUUCUCCUGAUAAACUAUUGCCUCACAUUGUCAUGCAAUCGACACCUA

70 80 90 100 110 120
UUAAUGGGUCUACCUCCAACUGCUUCCCCCUCUGUUUCUCCUGCUAGCAUGUGC CGGC
[GAGTGGAGGGTTGAC|GAAGGGGGAGACAAG] CG
70-84 85-99

130 140 150 160 170 180
AACUUUGGUCCACGGACACAAGUGCGAUACCUUACAGGAGAUCAAAAACUUUGAAC
[TTGAAACAGGTGC|CTGTGTTCACGCTAT] ACTTG
119-133 134-148

190 200 210 220 230 240
AGCCUCACAGAGCAGAAGACUCUGUGCACC GAGUUGACCGUAACAGACAUUUUGCUGCC
[TCGGAGTGTC|TCGTCTTCTGAGACA]
176-190 191-205

250 260 270 280 290 300
UCCAAGAACACAACUGAGAAGGAACCUUCUGCAGGGCUGCGACUGUGCUCCGGCAGUUC
[TGGAAAGACGTCCCAG|CGCTGACACGAGGCC]
265-279 280-294

310 320 330 340 350 360
UACAGCCACCAUGAGAAGGACACUCGCUGCCUGGGUGCGACUGCACAGCAGUUCCACAGG

370 380 390 400 410 420
CACAAGCAGCUGAUCCGAUUC CUGAAACGGCUCGACAGGAACCUUCUGGGGCCUGGCGGGC
[GCTAAGGACTTTGCC|GAGCTGTCCTGGAG]
376-390 391-405

430 440 450 460 470 480
UUGAAUUCUGUCCUGUGAAGGAAGCCAACCAGAGUACGUUGGAAAACUUCUUGGAAAGG

490 500 510 520 530 540
CUAAAGACGAUCAUGAGAGAGAAAUUCAAAAGUGUUCGAGCUGAAUAUUUUAUUAUG

550 560 570 580 590 600
AGUUUUUGAUAGCUUUAUUUUUUAAGUAUUUAUAUUUUAACUCAUCAAAAUAAG

610
UAUUAUAGAAUCUAAAA

Fig.3

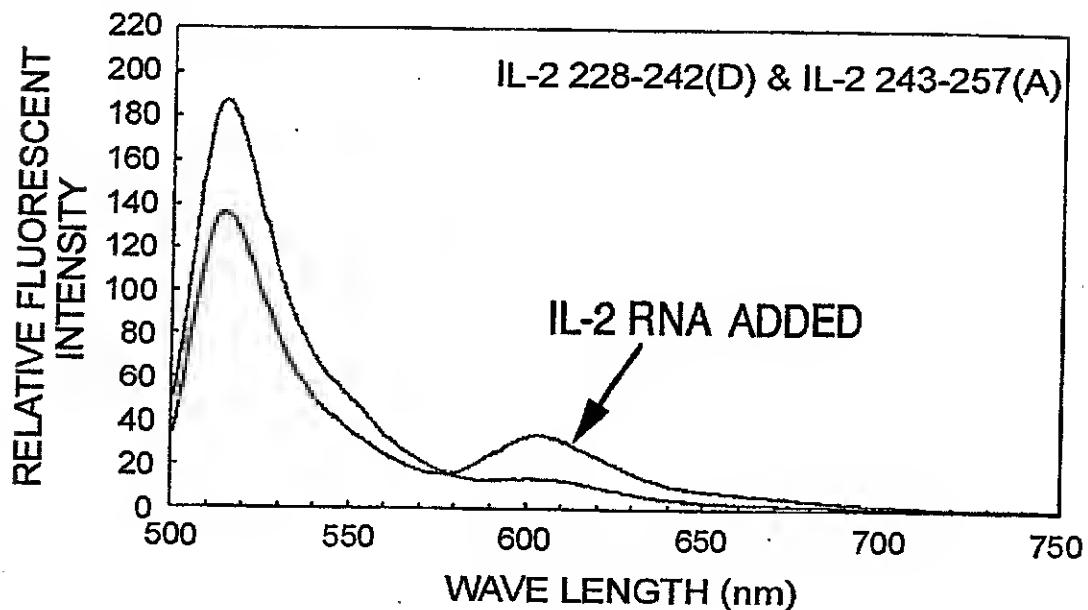
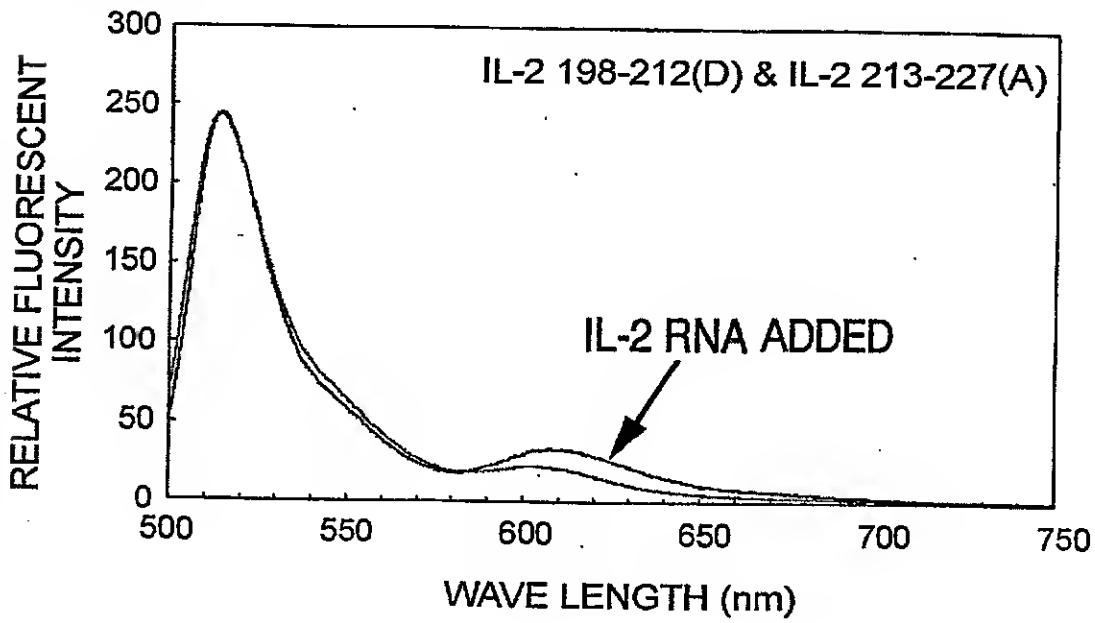


Fig.4



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Fig.5

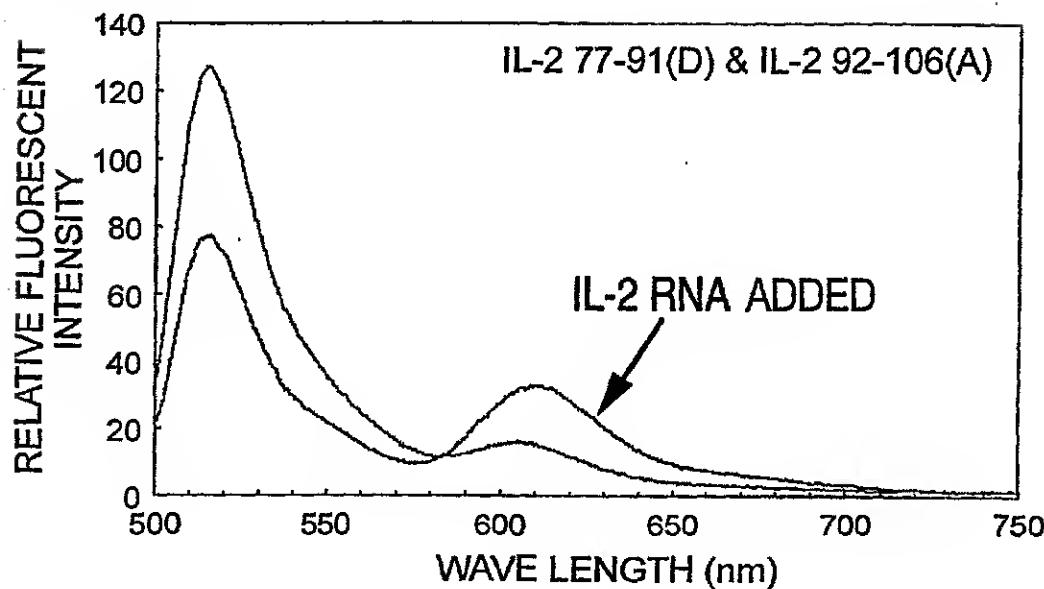
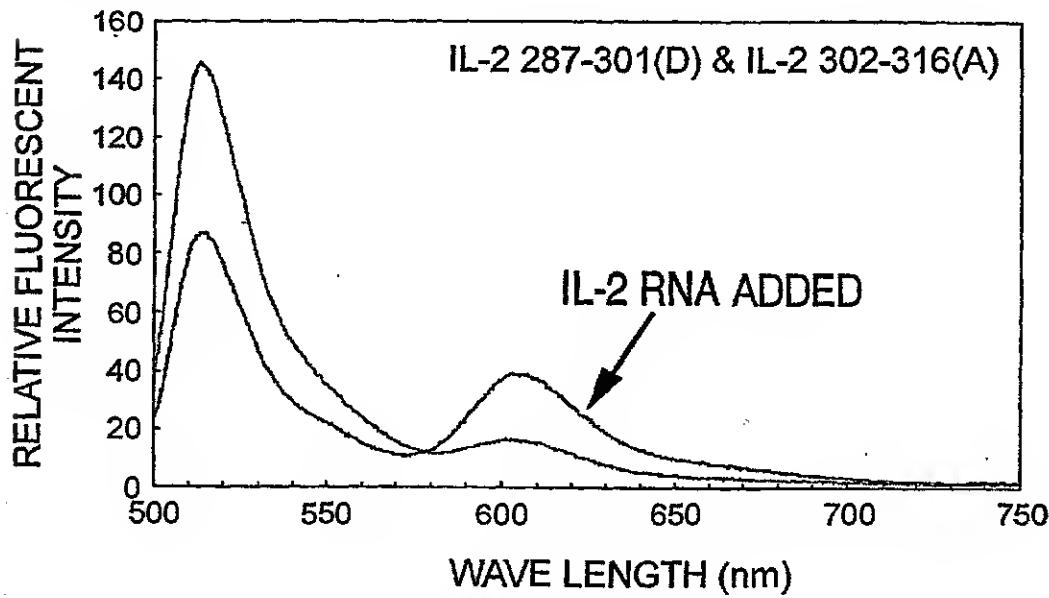
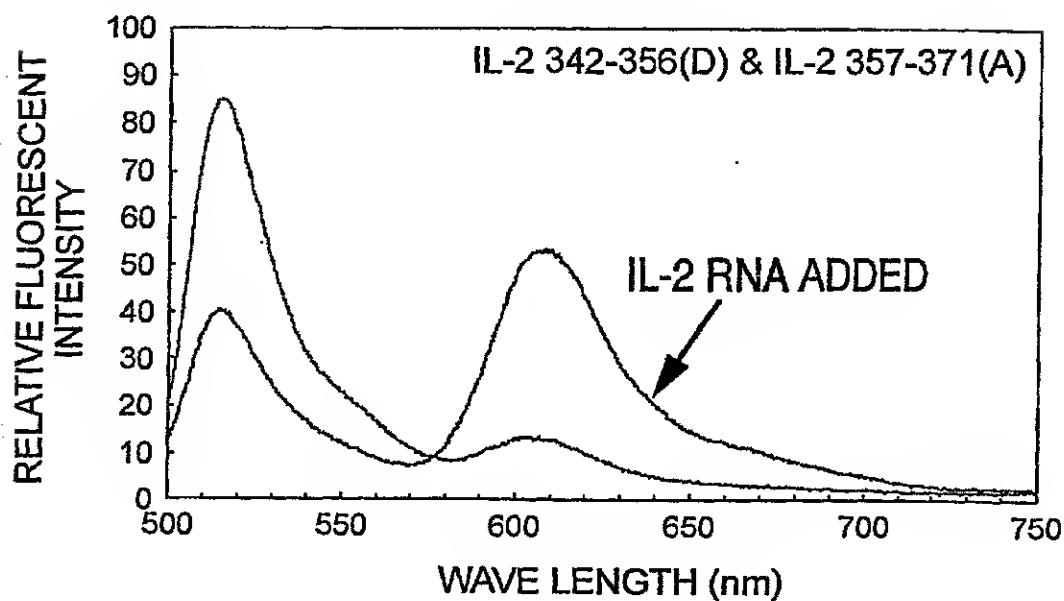


Fig.6



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Fig.7



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Fig.8

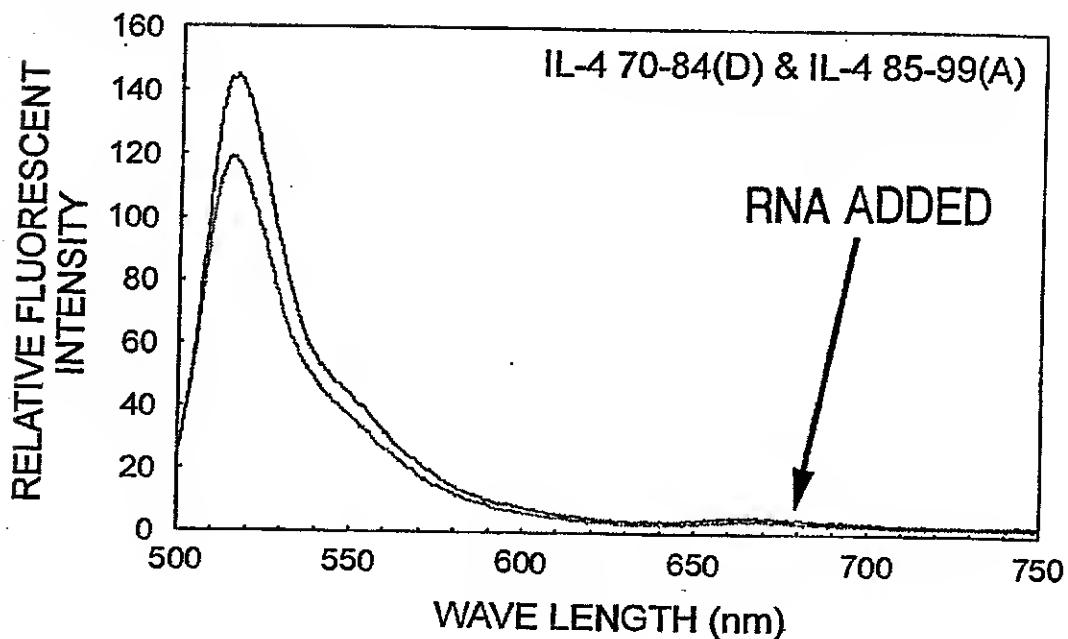


Fig.9

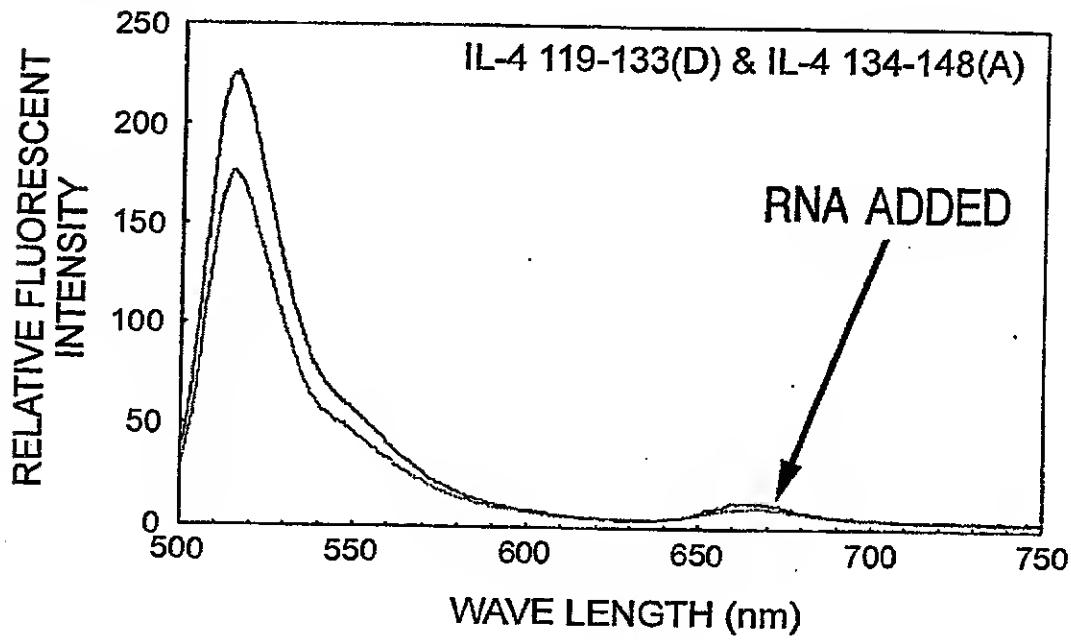


Fig.10

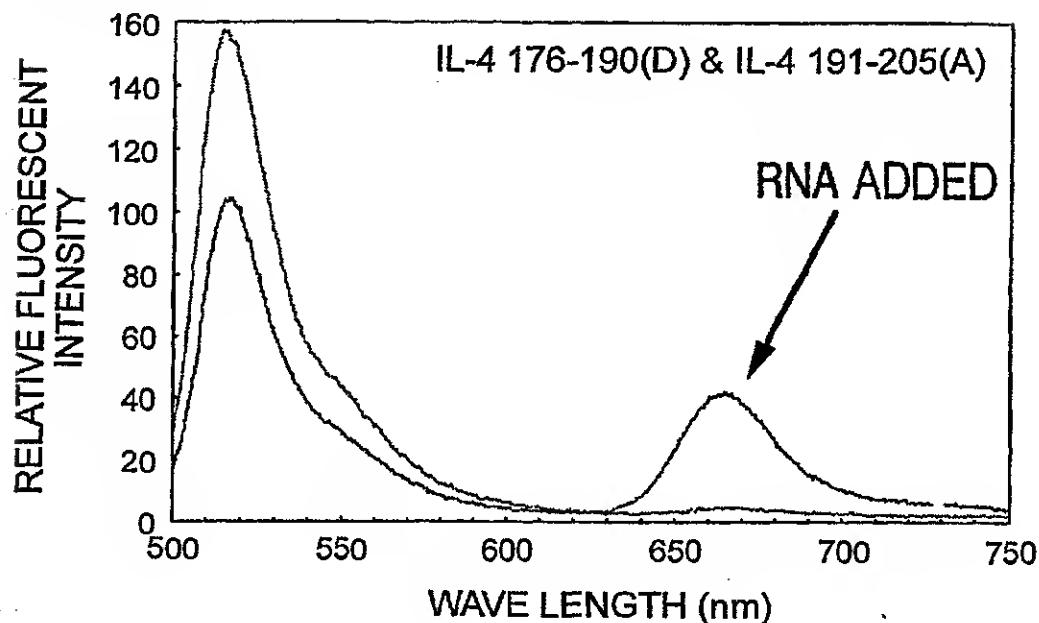
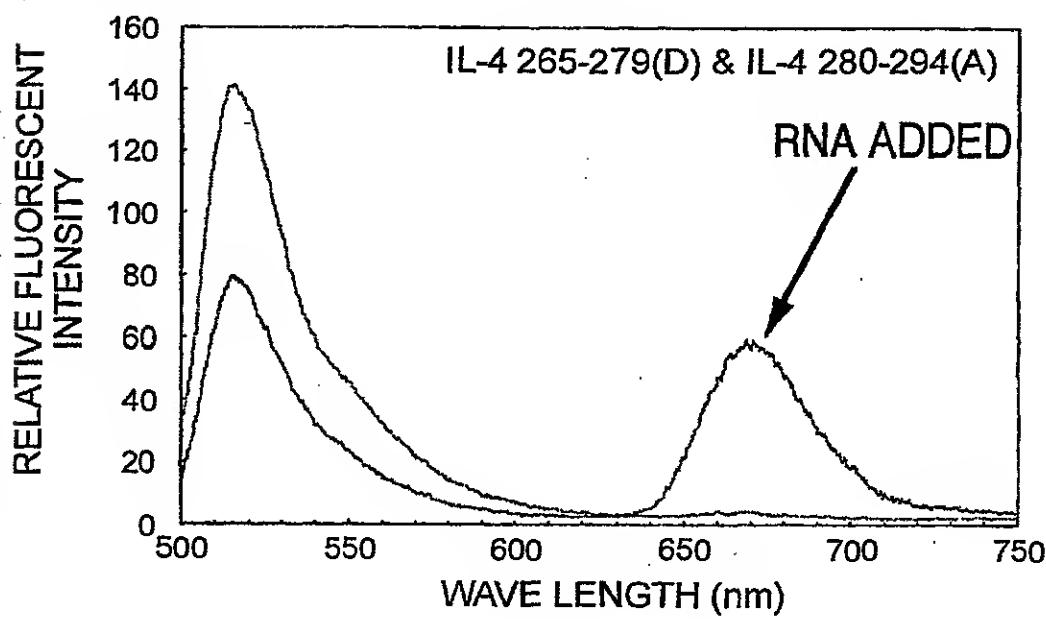
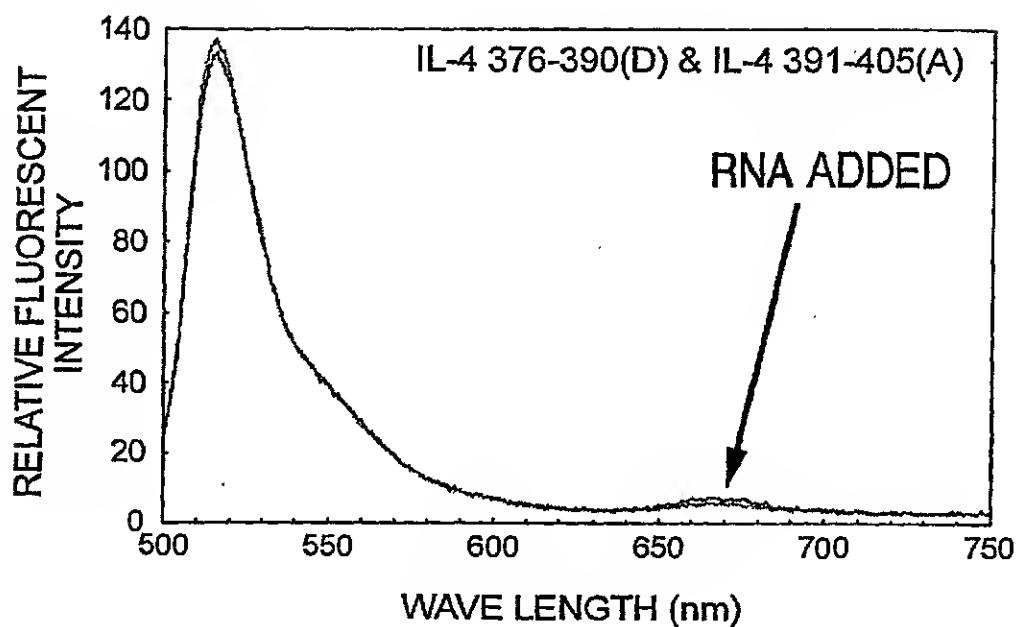


Fig.11



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Fig.12



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Fig.13

IL-2 342-356

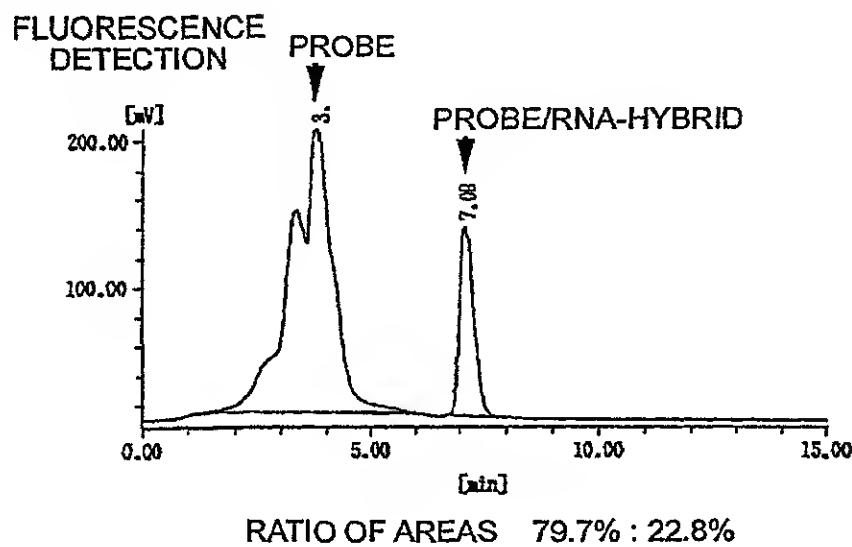
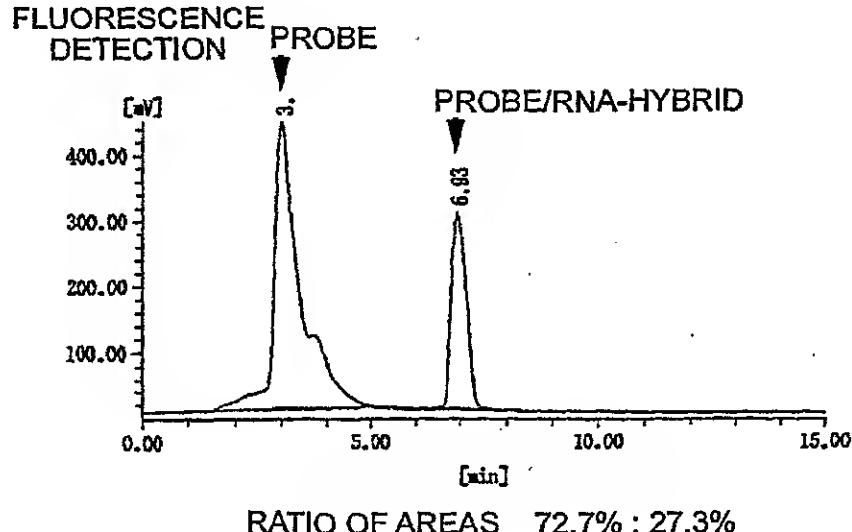


Fig.14

IL-2 357-371



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Fig.15

IL-4 119-133

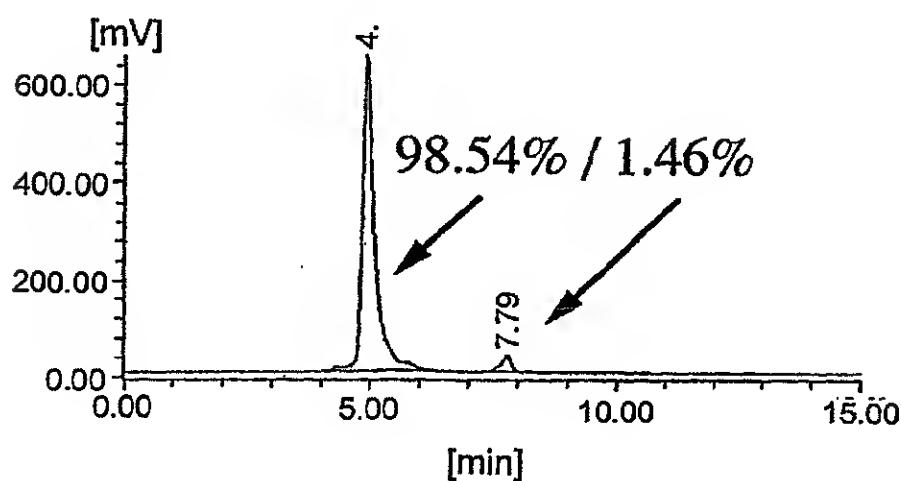
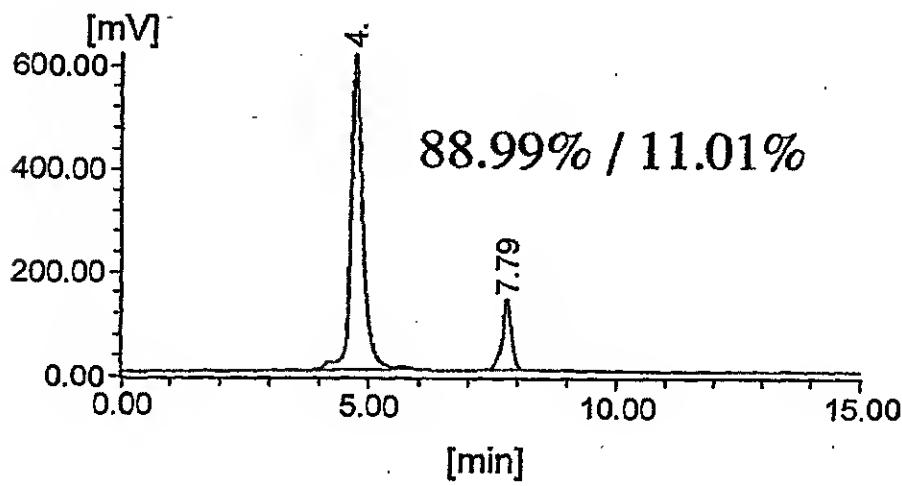


Fig.16

IL-4 134-148



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Fig.17

IL-4 265-279

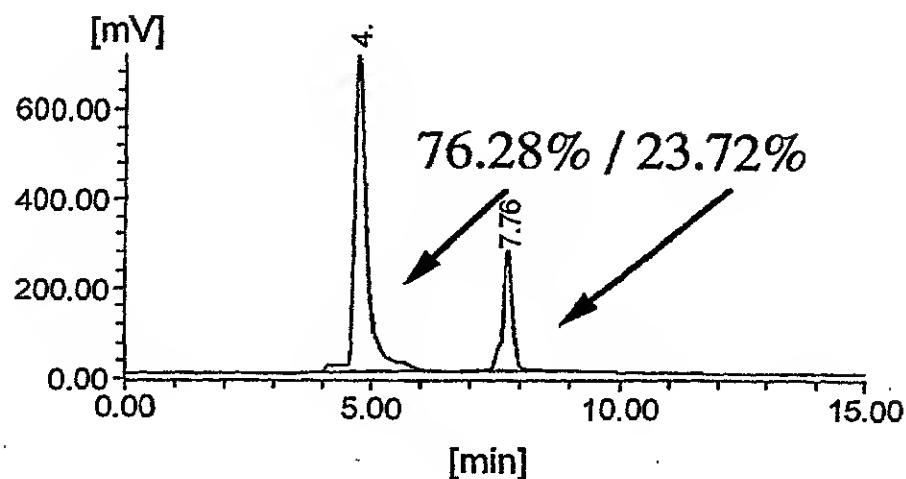


Fig.18

IL-4 280-294

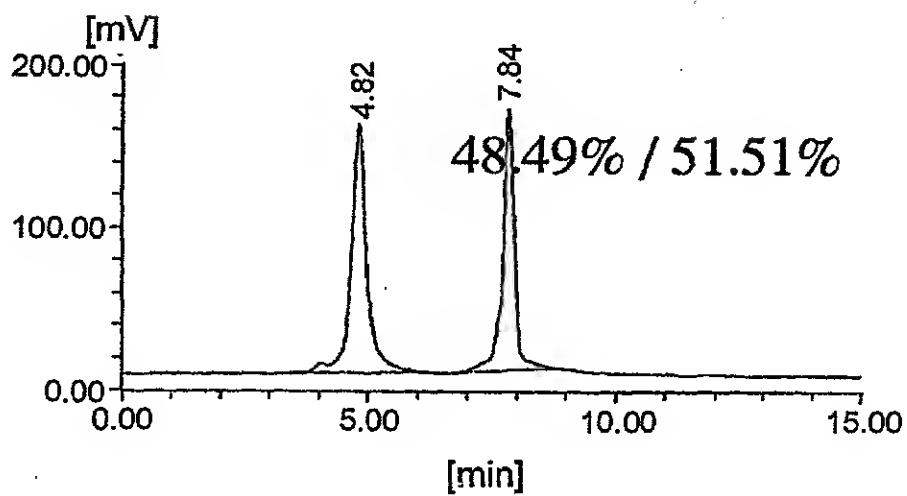
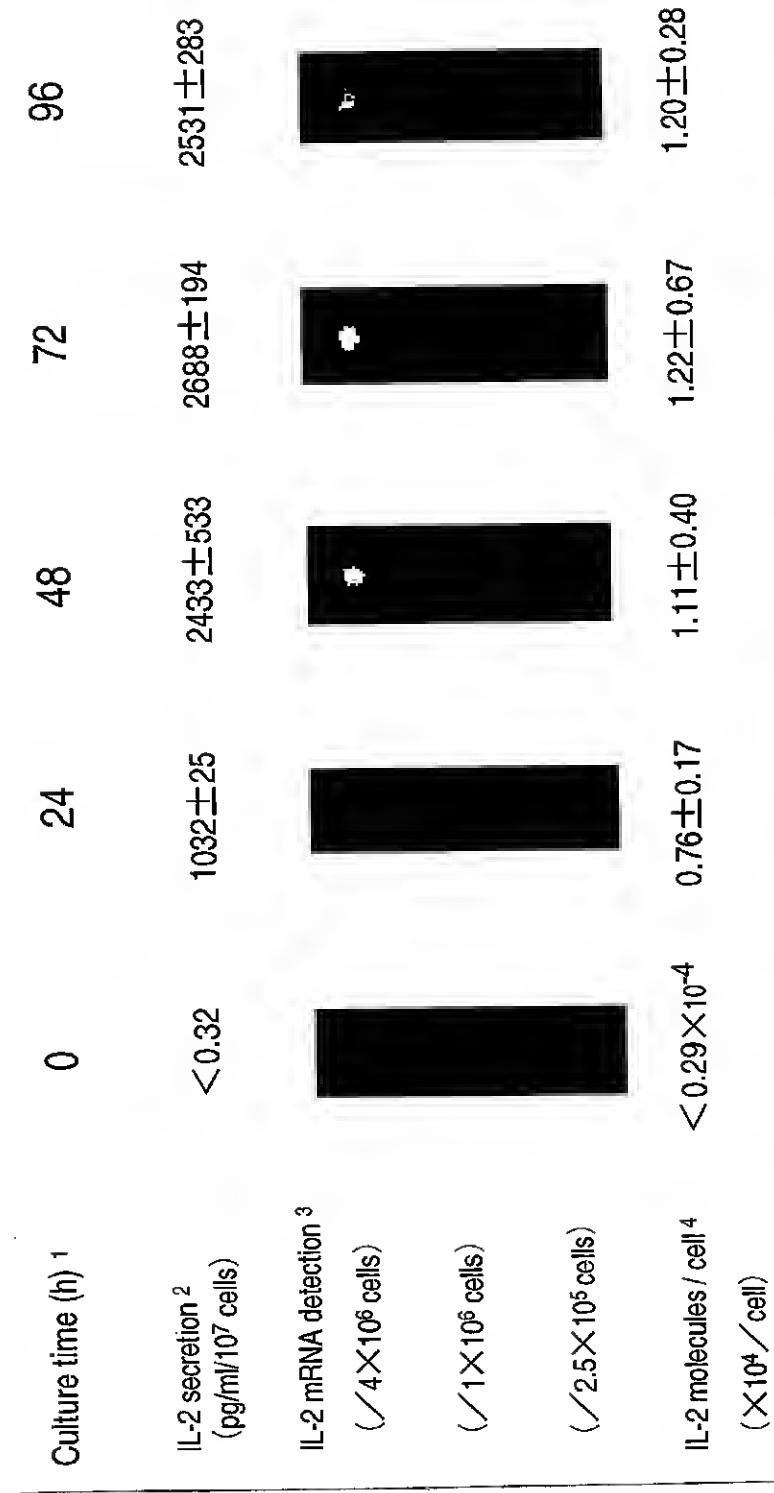
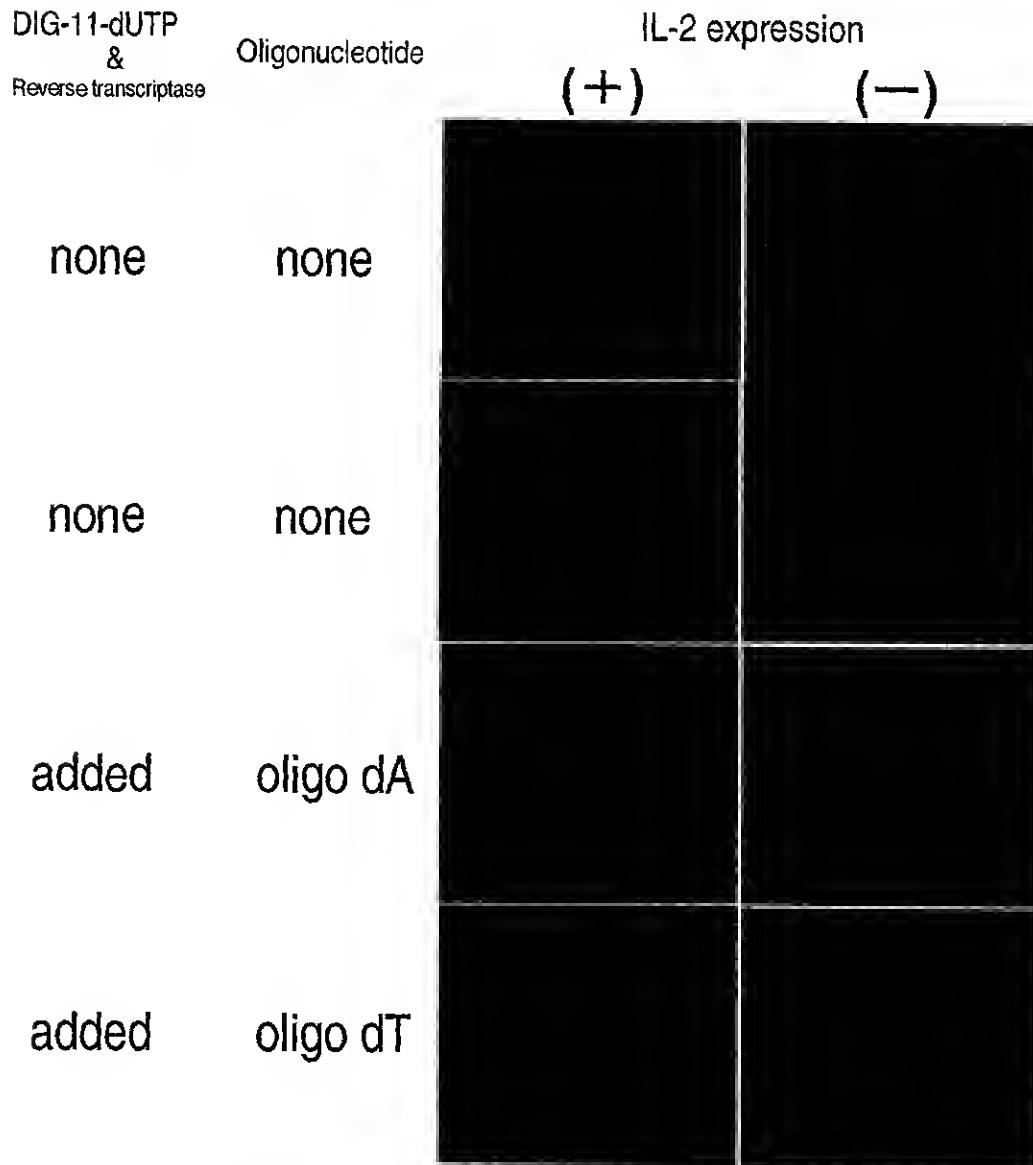


Fig. 19



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Fig.20



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Fig.21

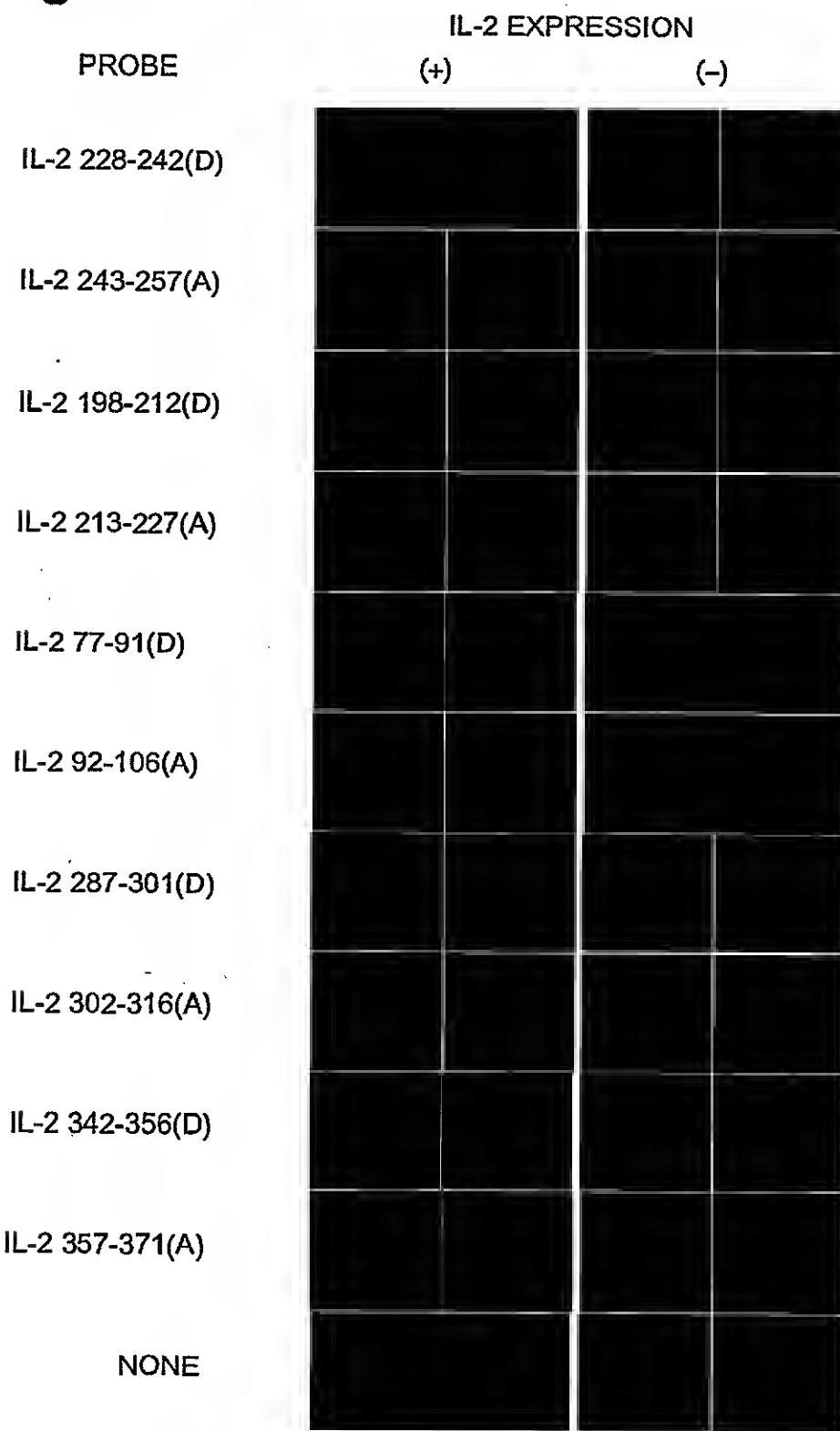
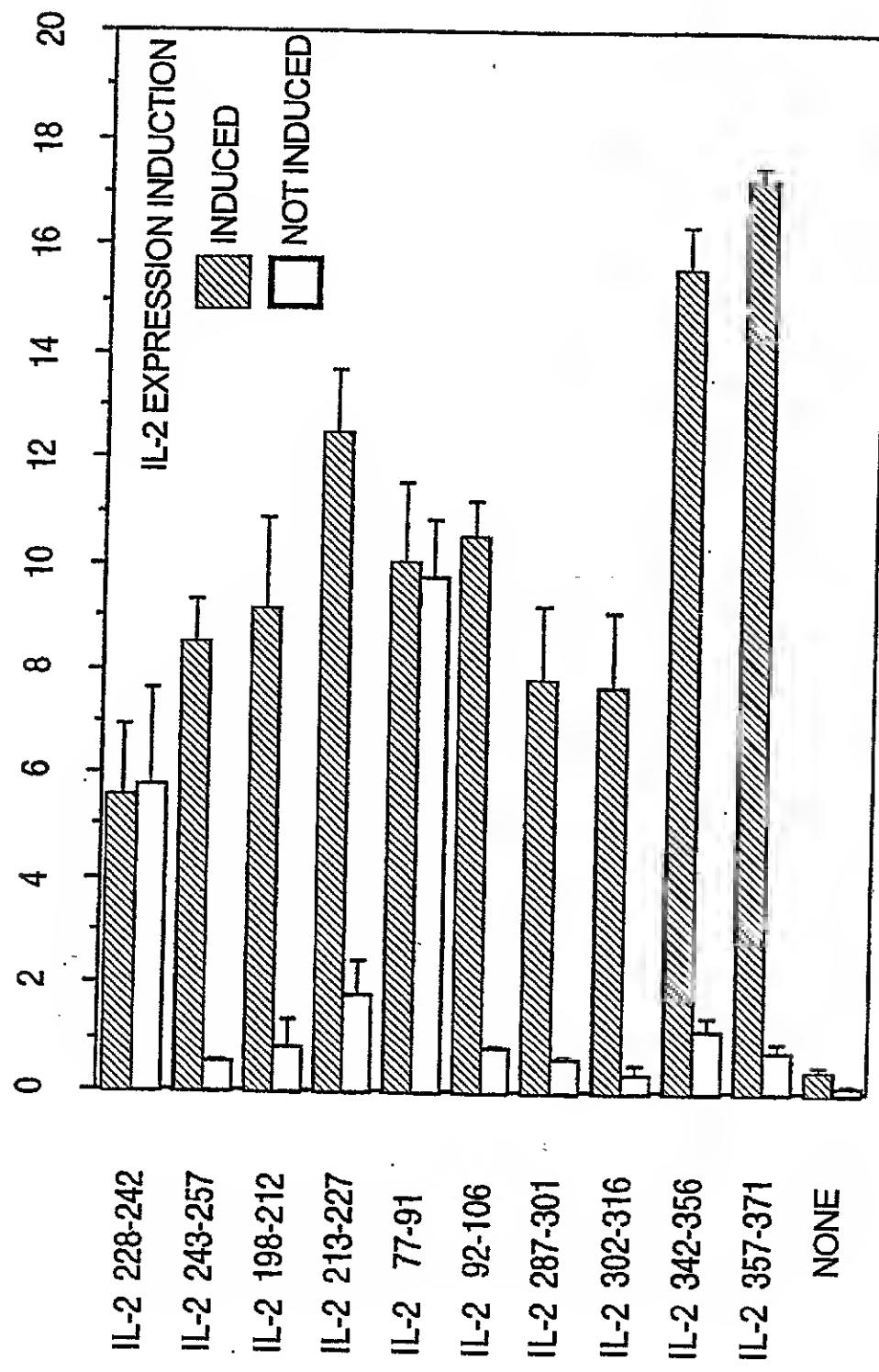


Fig. 22



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Fig.23

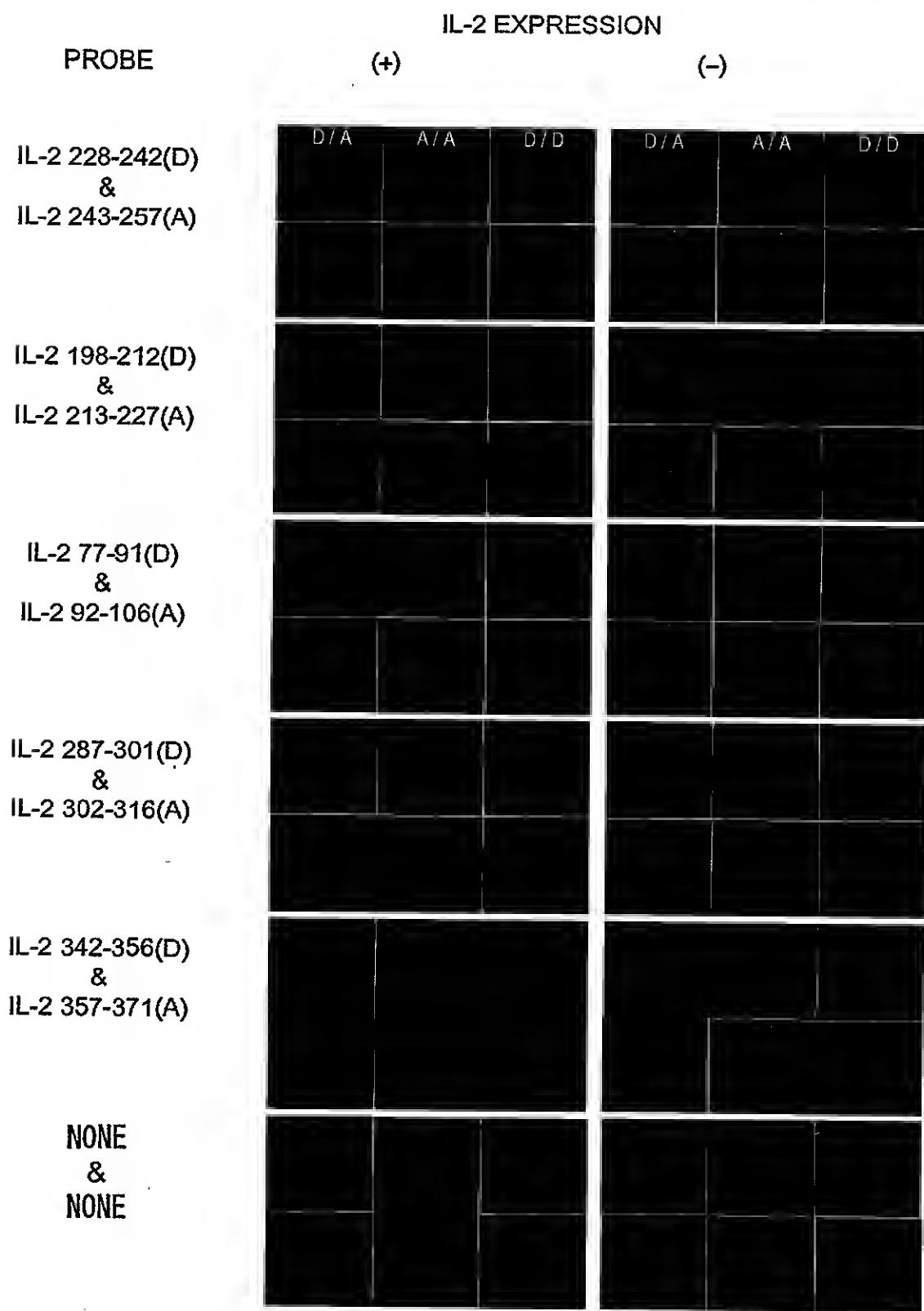
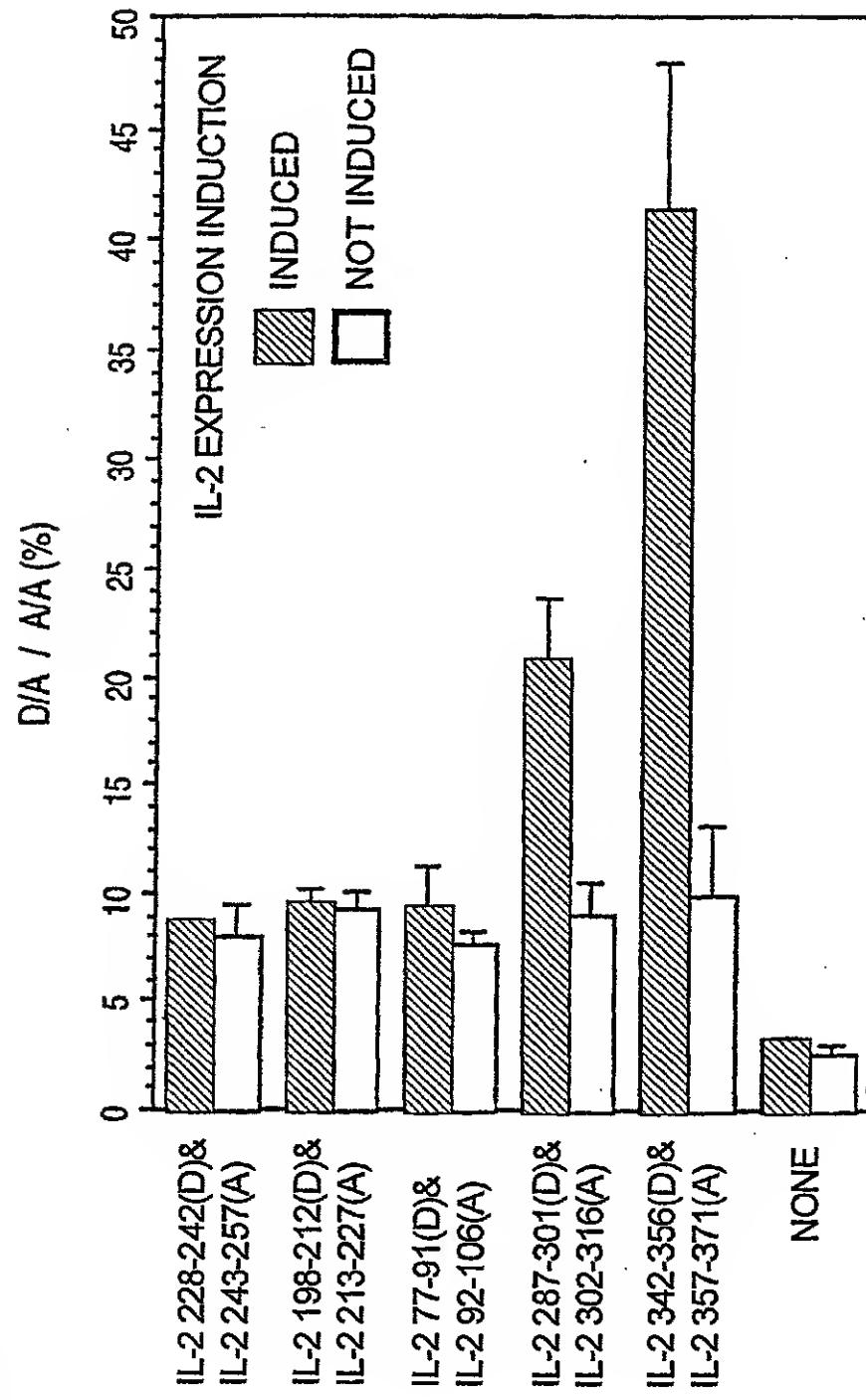
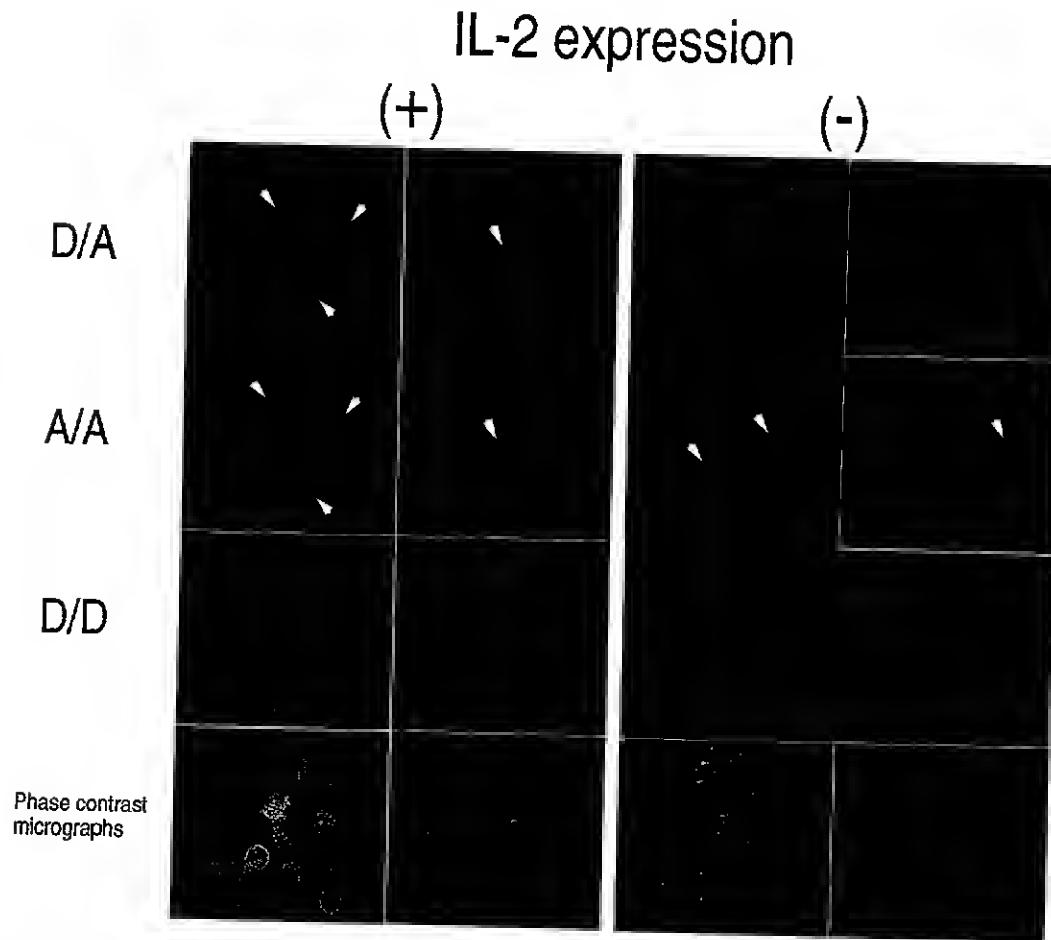


Fig. 24



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Fig.25



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Fig.26

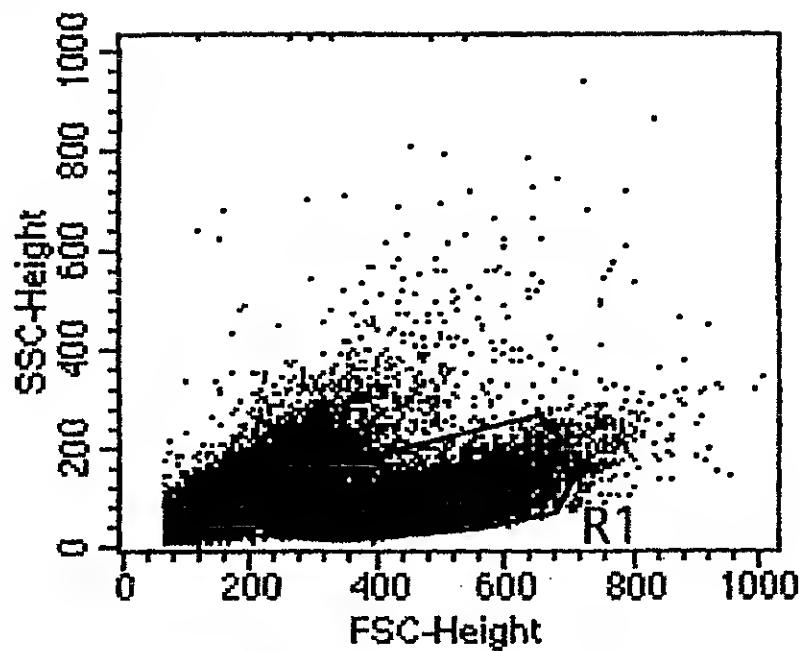
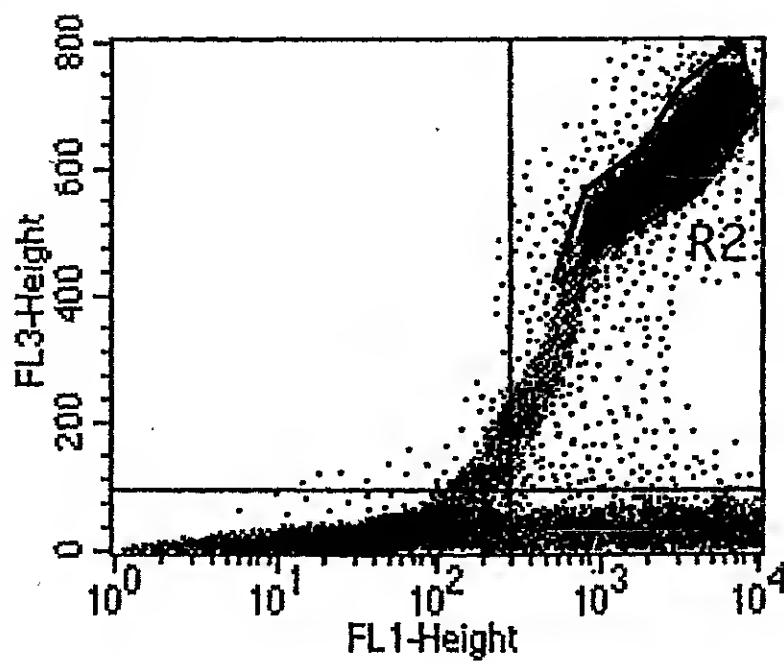


Fig.27



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Fig. 28

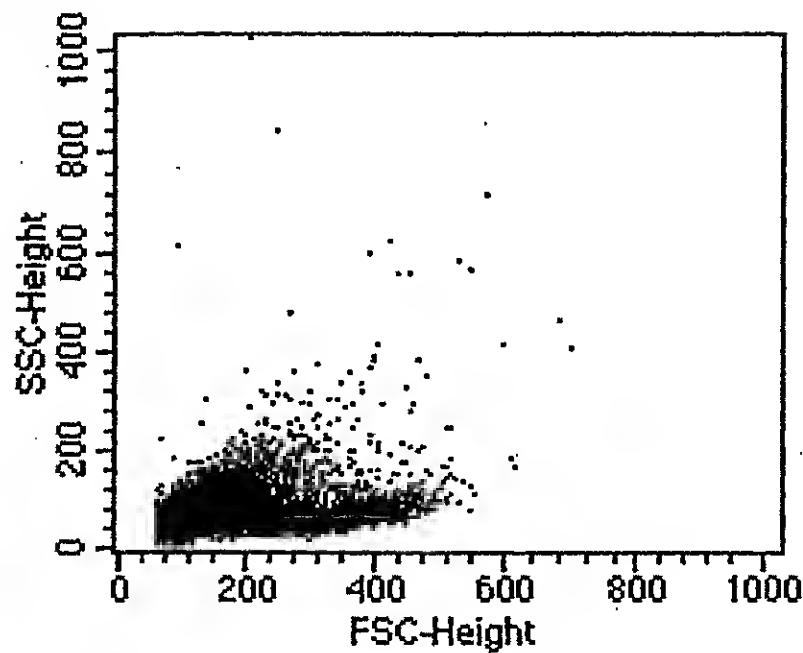
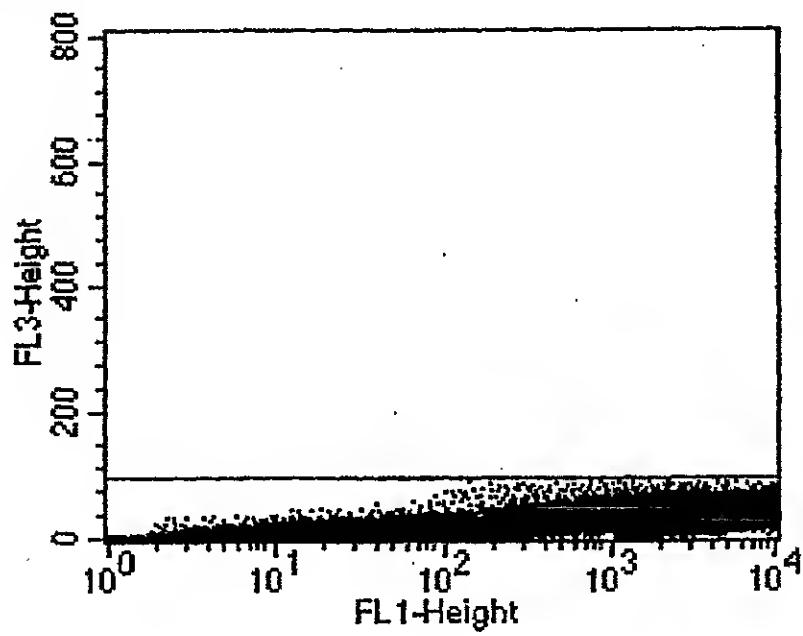


Fig. 29



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Fig. 30

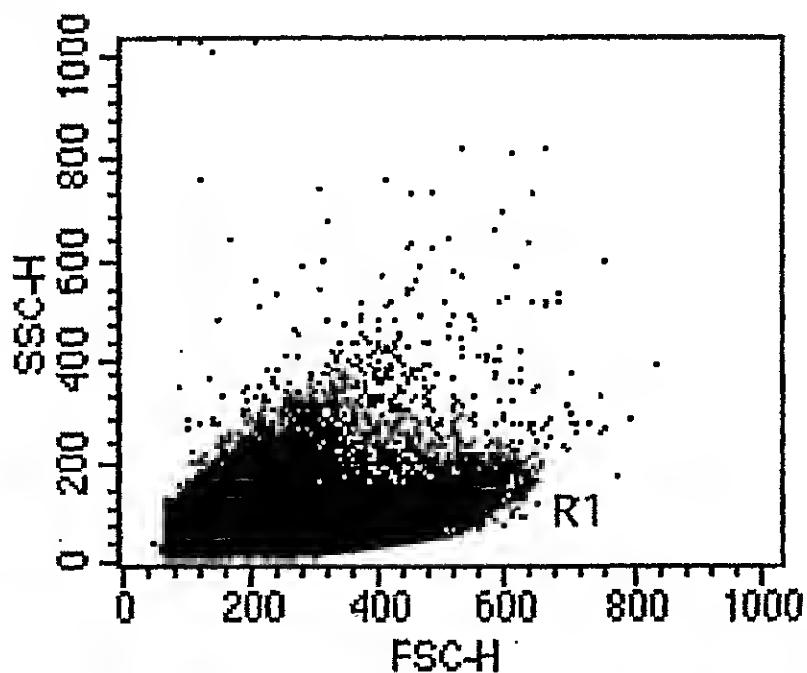
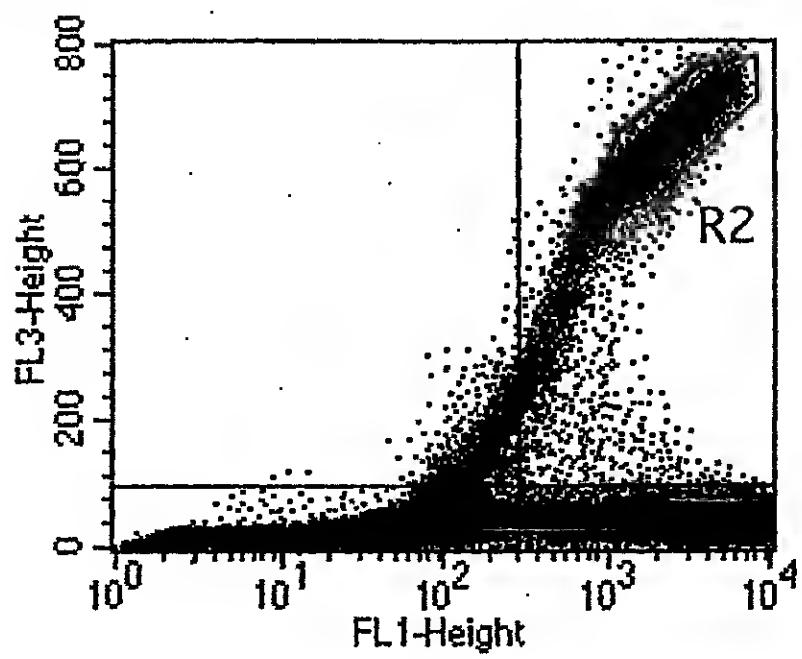


Fig. 31



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Fig.32

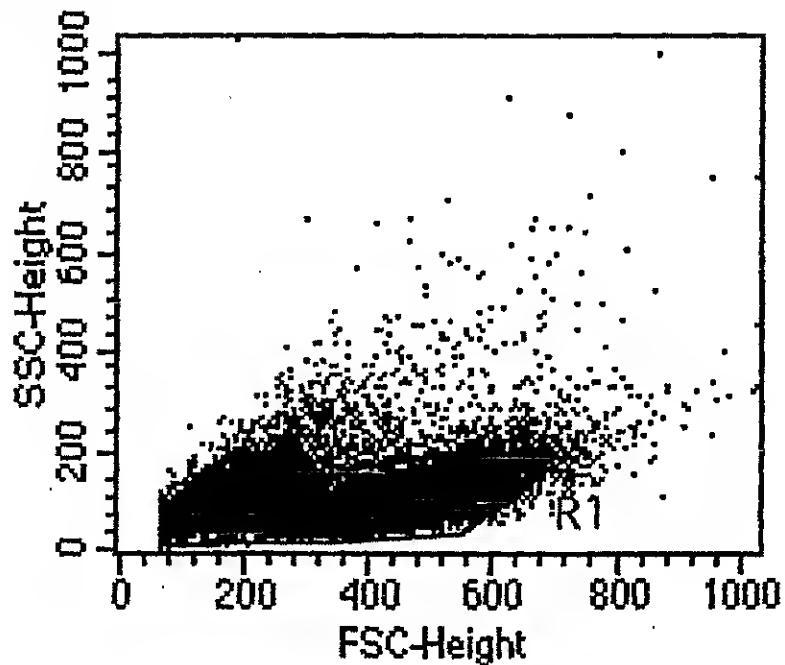
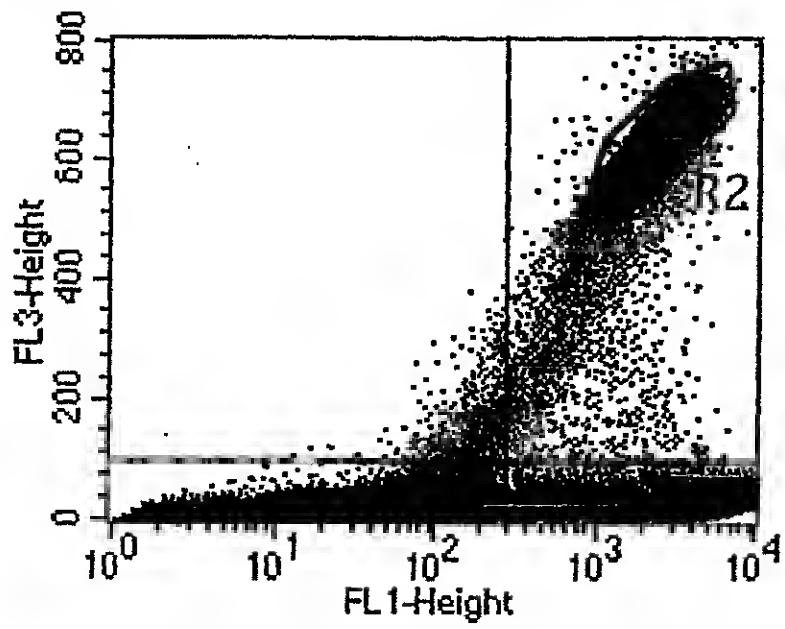


Fig.33



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Fig.34

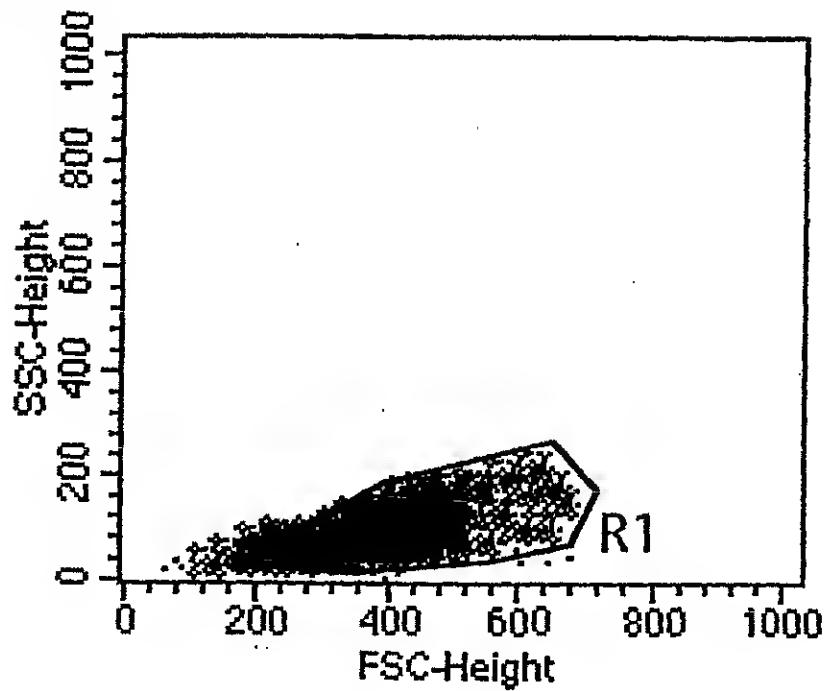
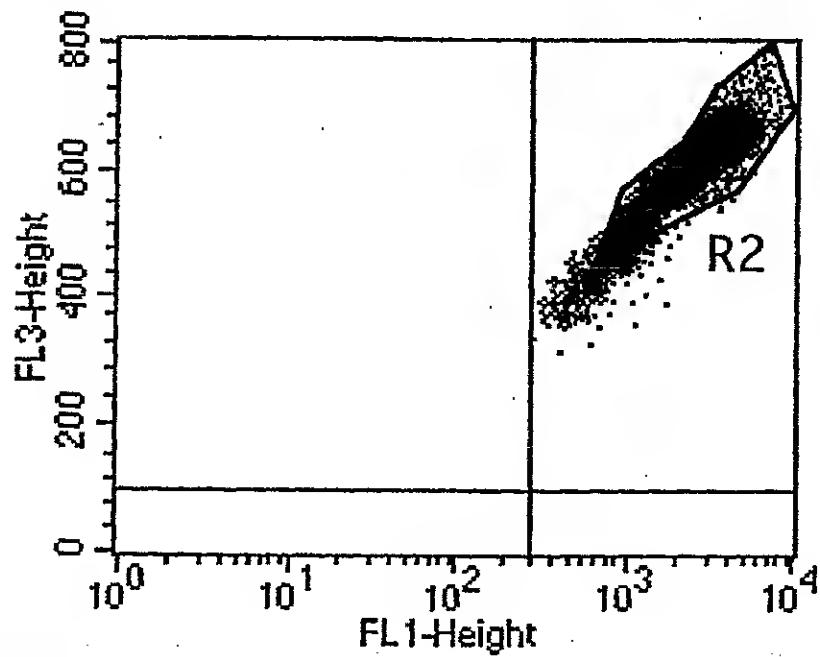


Fig.35



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Fig.36

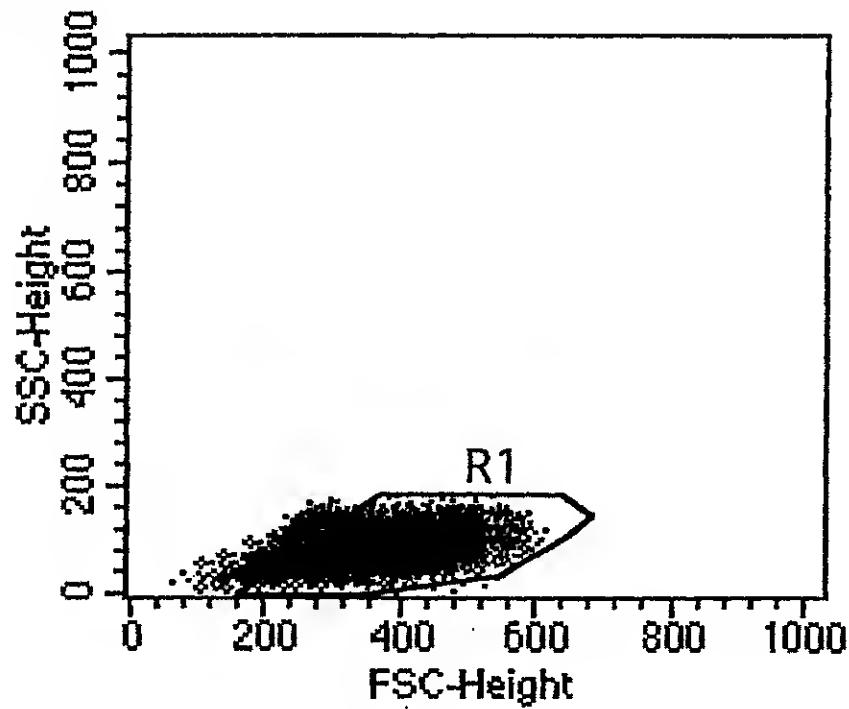
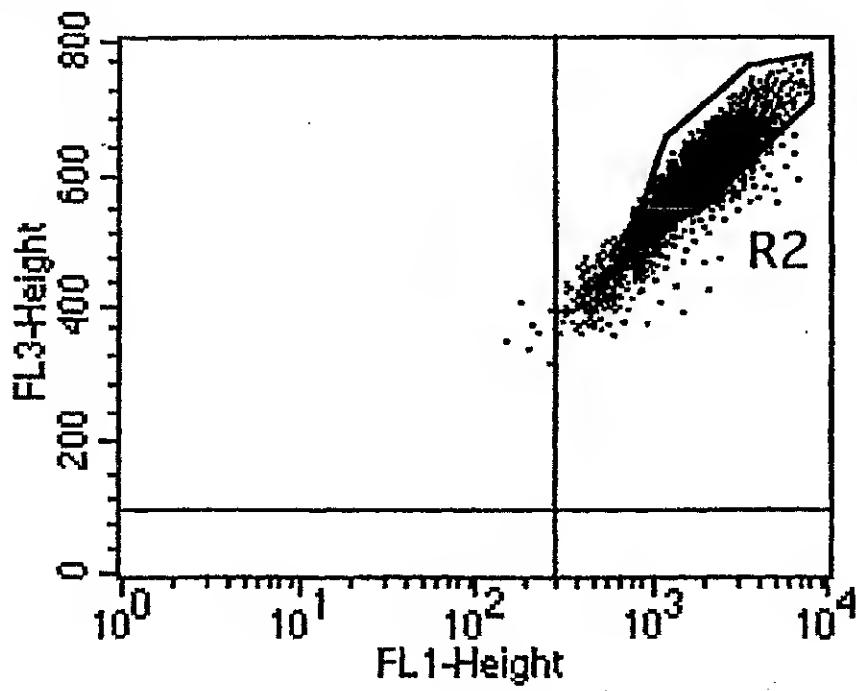


Fig.37



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Fig.38

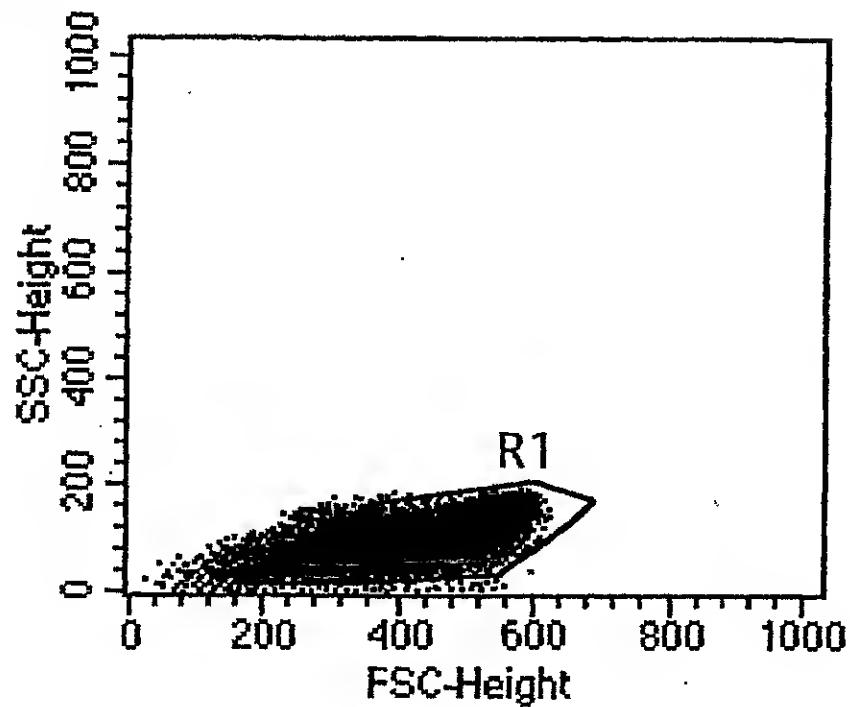
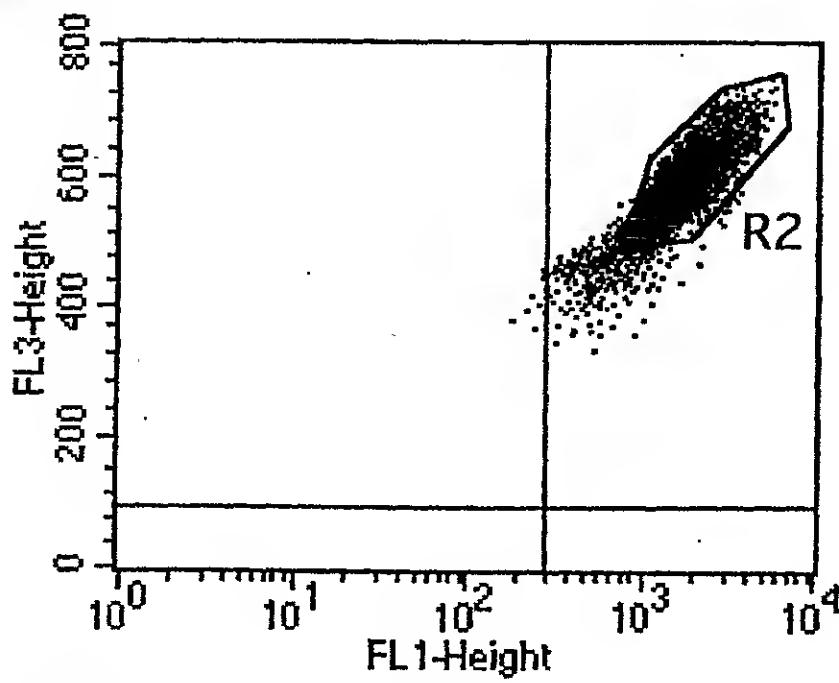
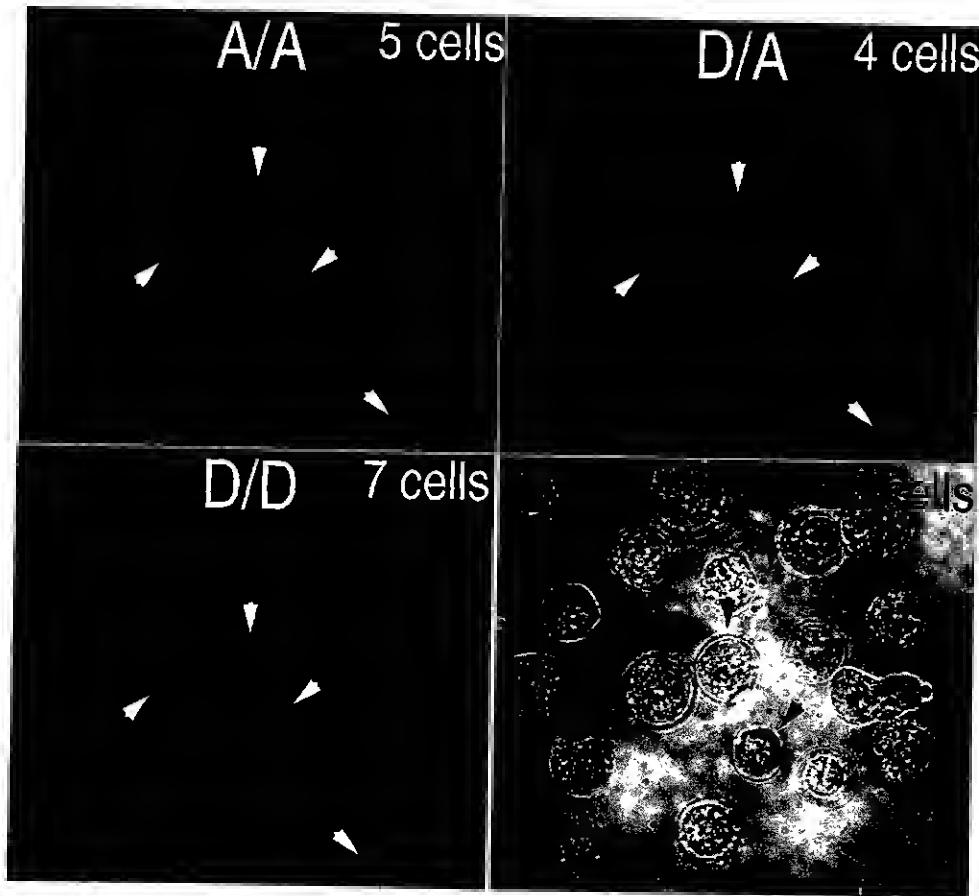


Fig.39



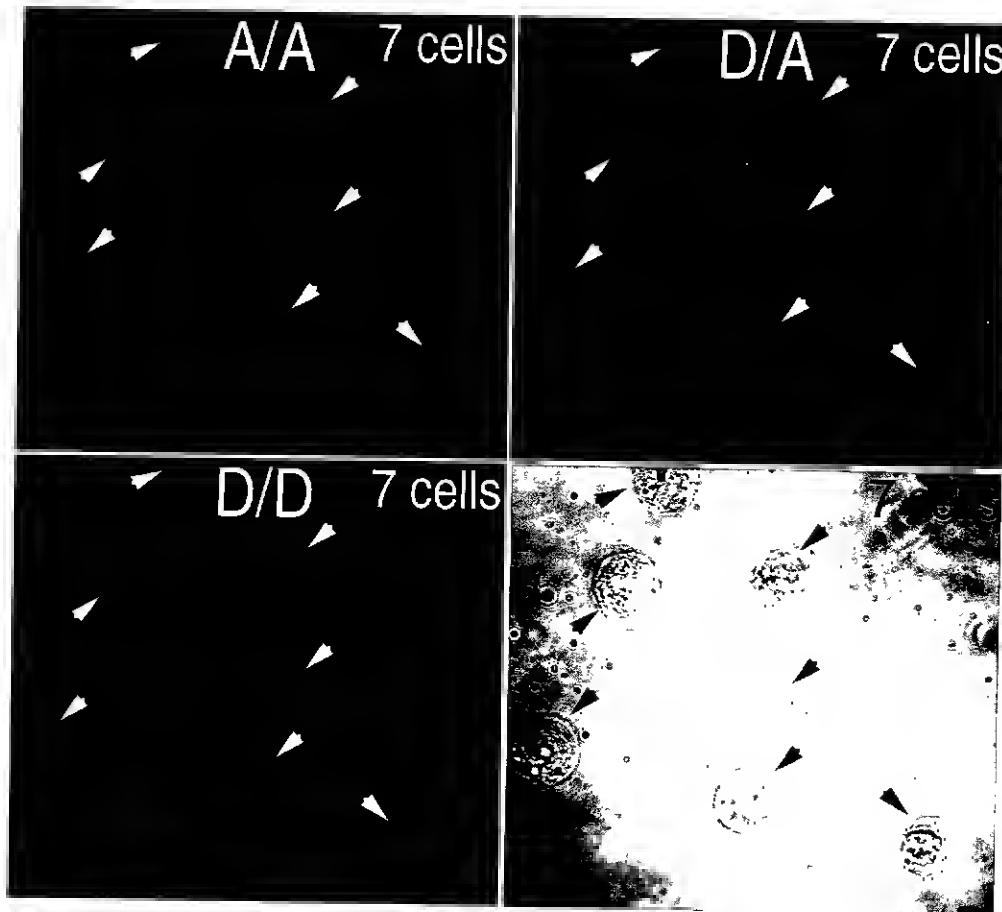
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Fig.40



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Fig.41



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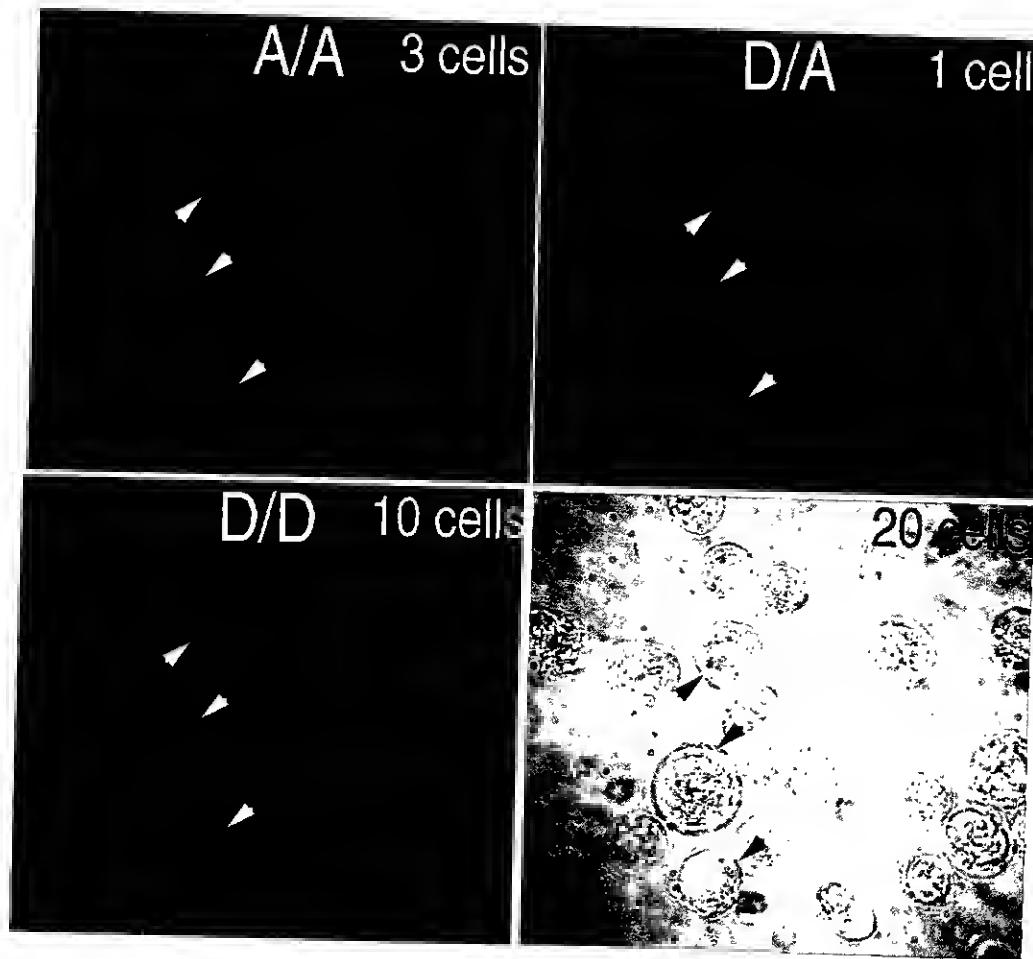
Inventors: ISHIBASHI et al.

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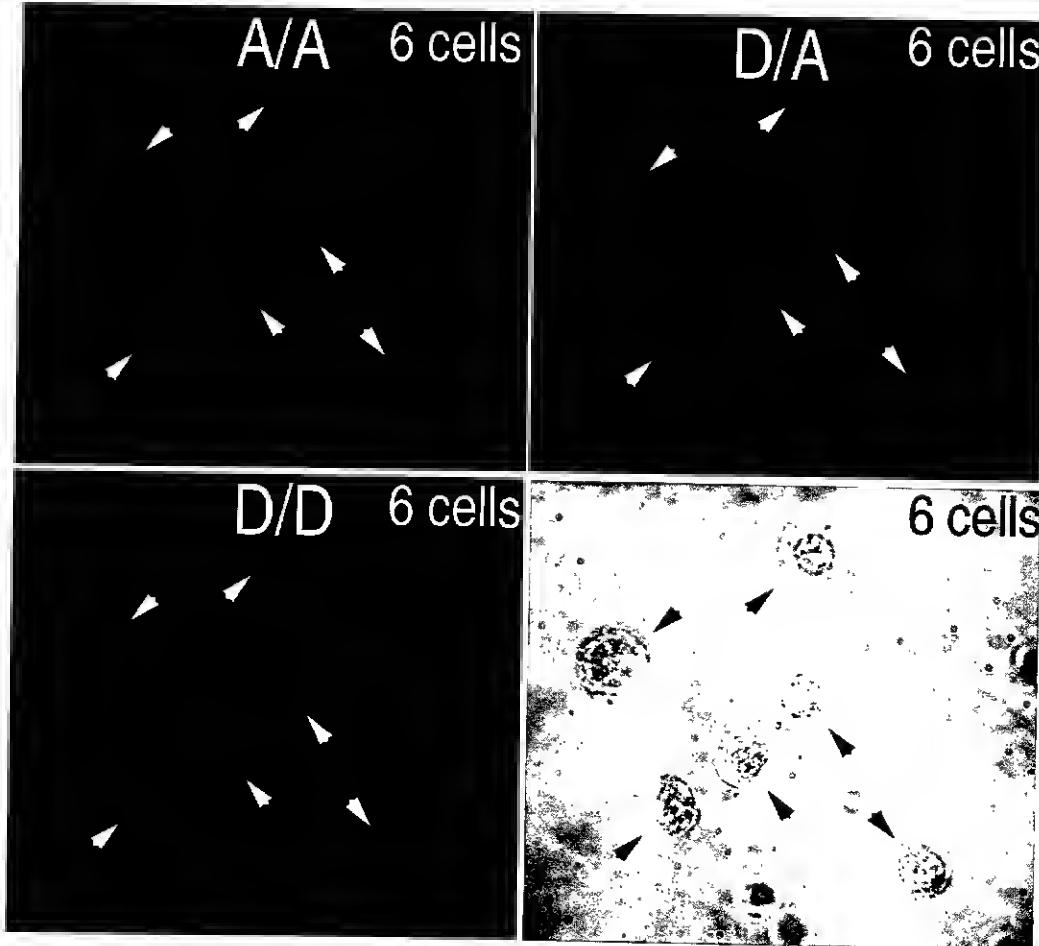
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Fig.42



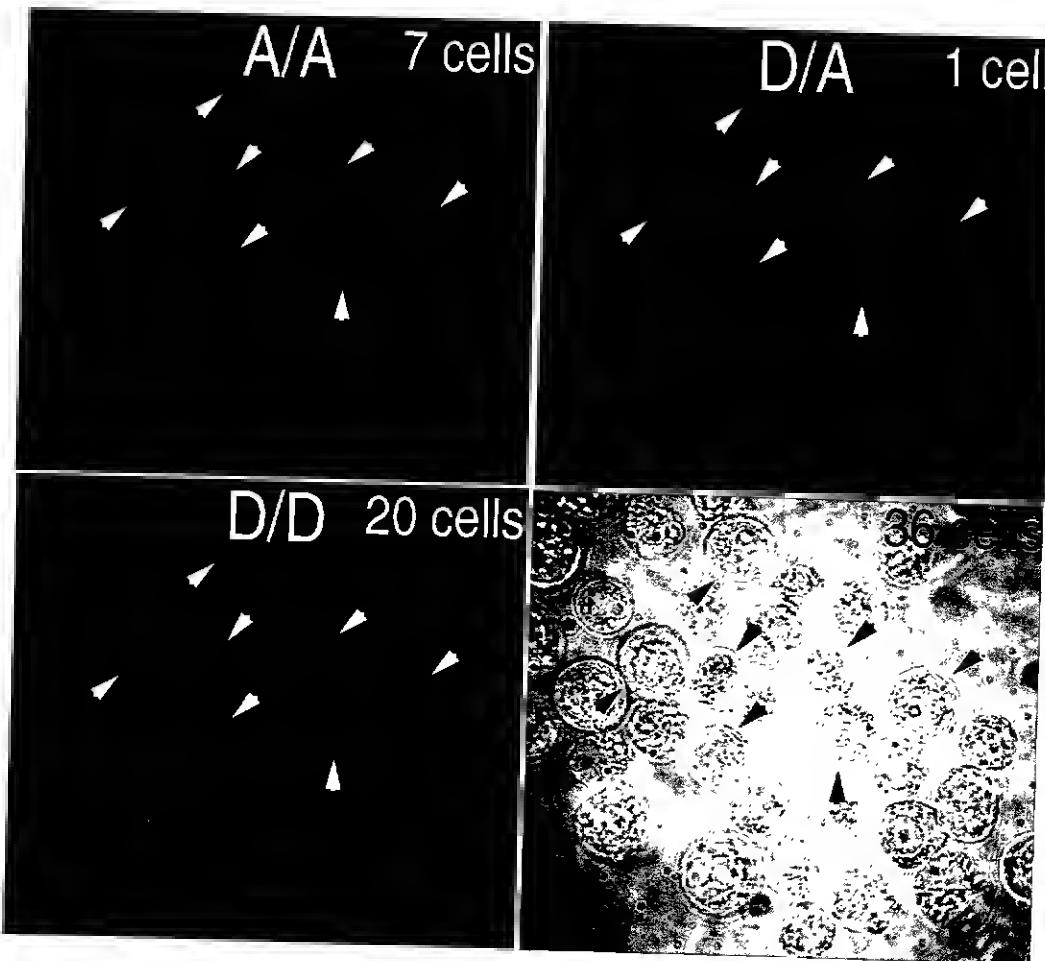
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Fig.43



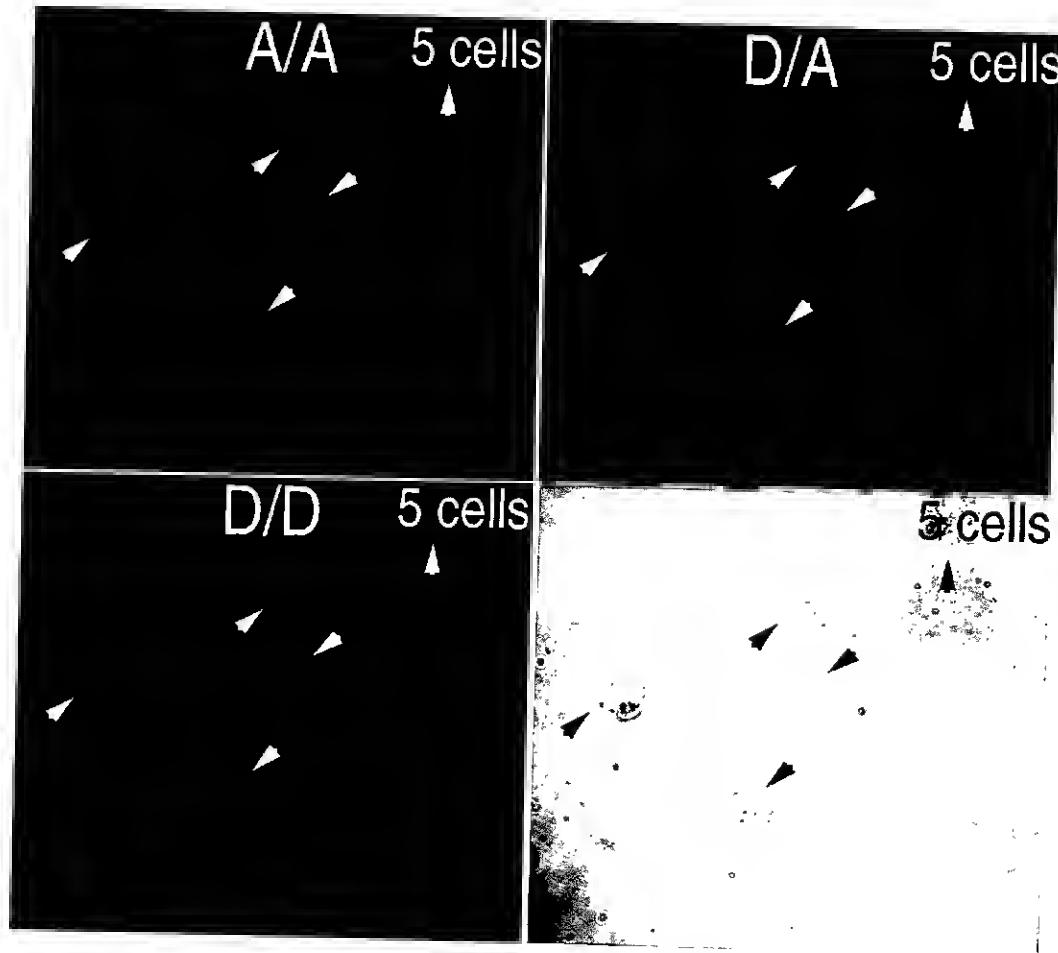
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Fig.44



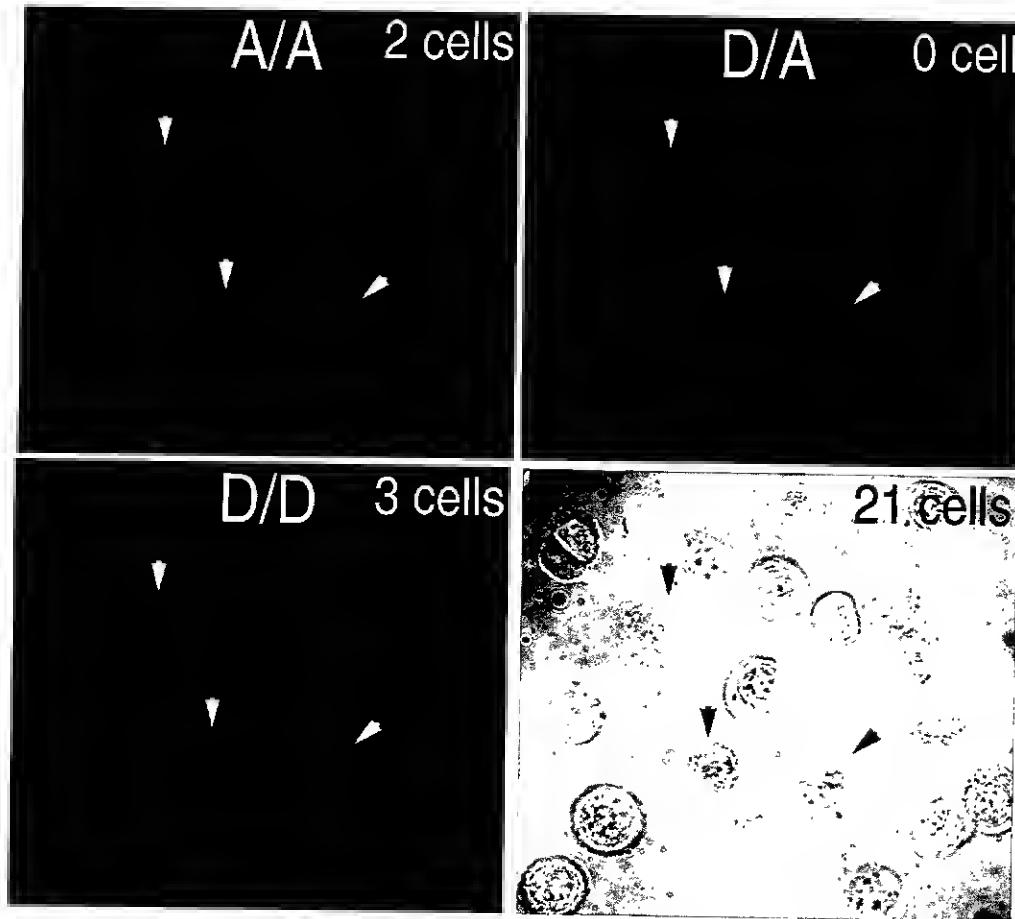
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Fig.45



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Fig.46



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Fig.47



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Fig.48

IL-2 mRNA (+); 9/9



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Fig.49

IL-2 mRNA (+); 0/32



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Fig.50

IL-2 mRNA (+); 18/35



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Fig.51



Fig.52



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Fig.53



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Fig.54

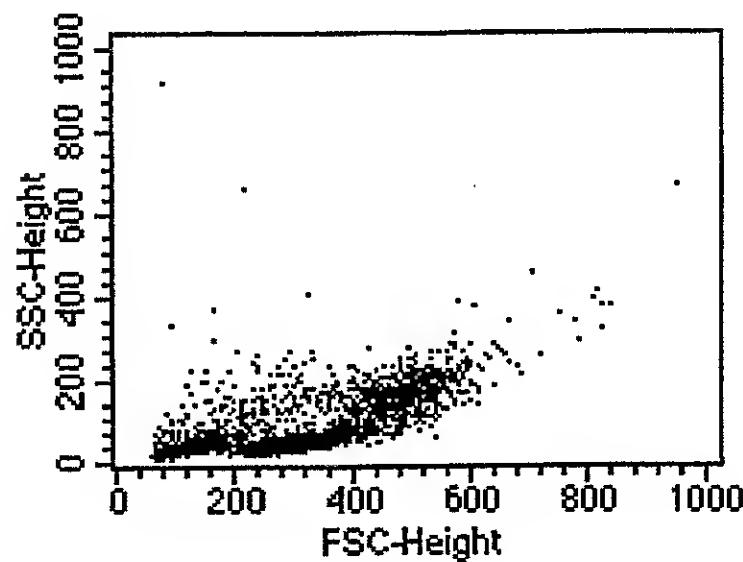


Fig.55

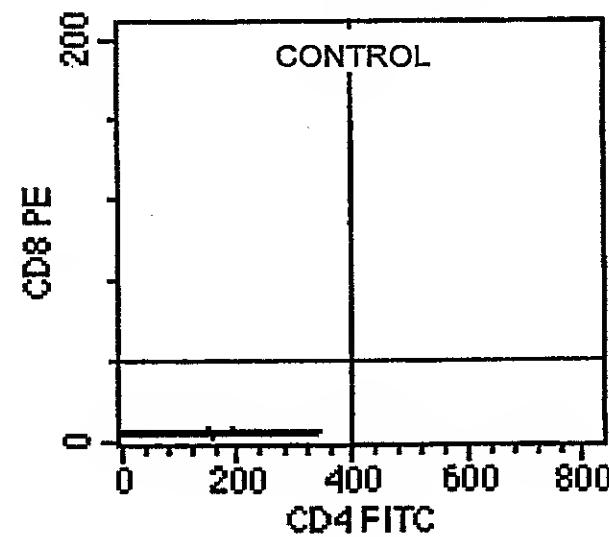
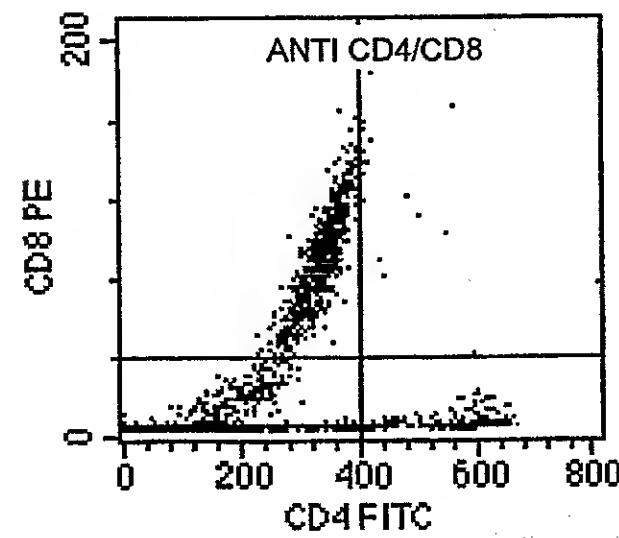


Fig.56



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Fig.57

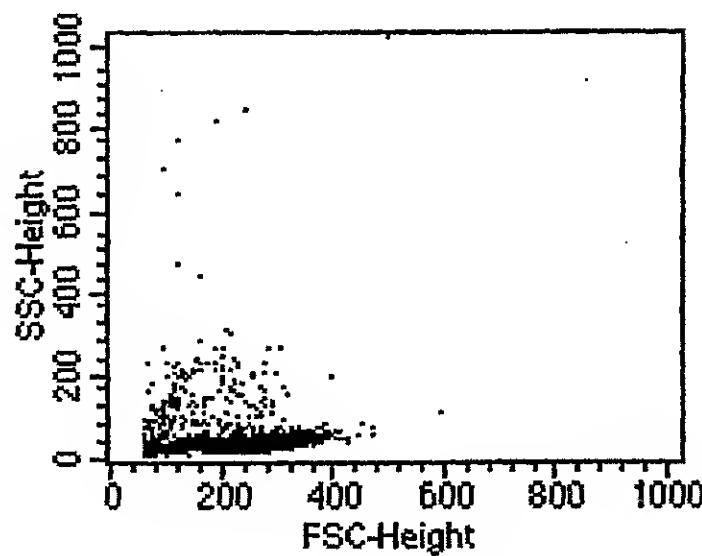


Fig.58

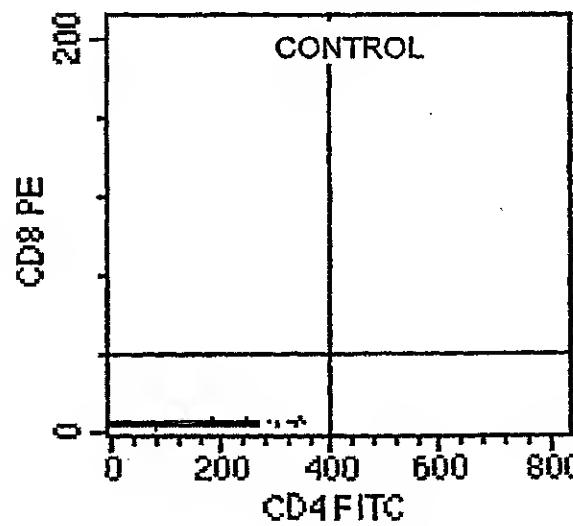
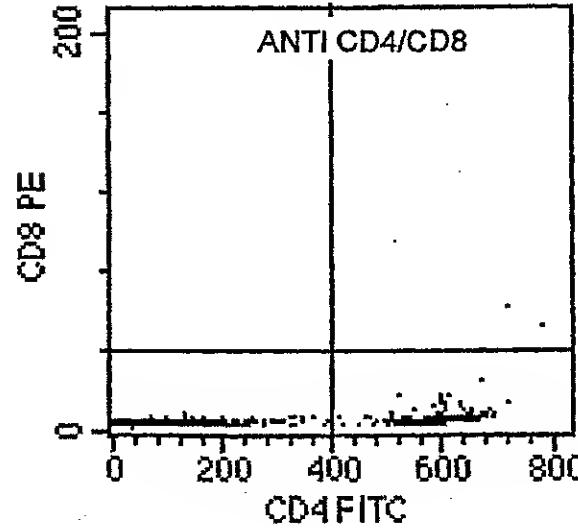
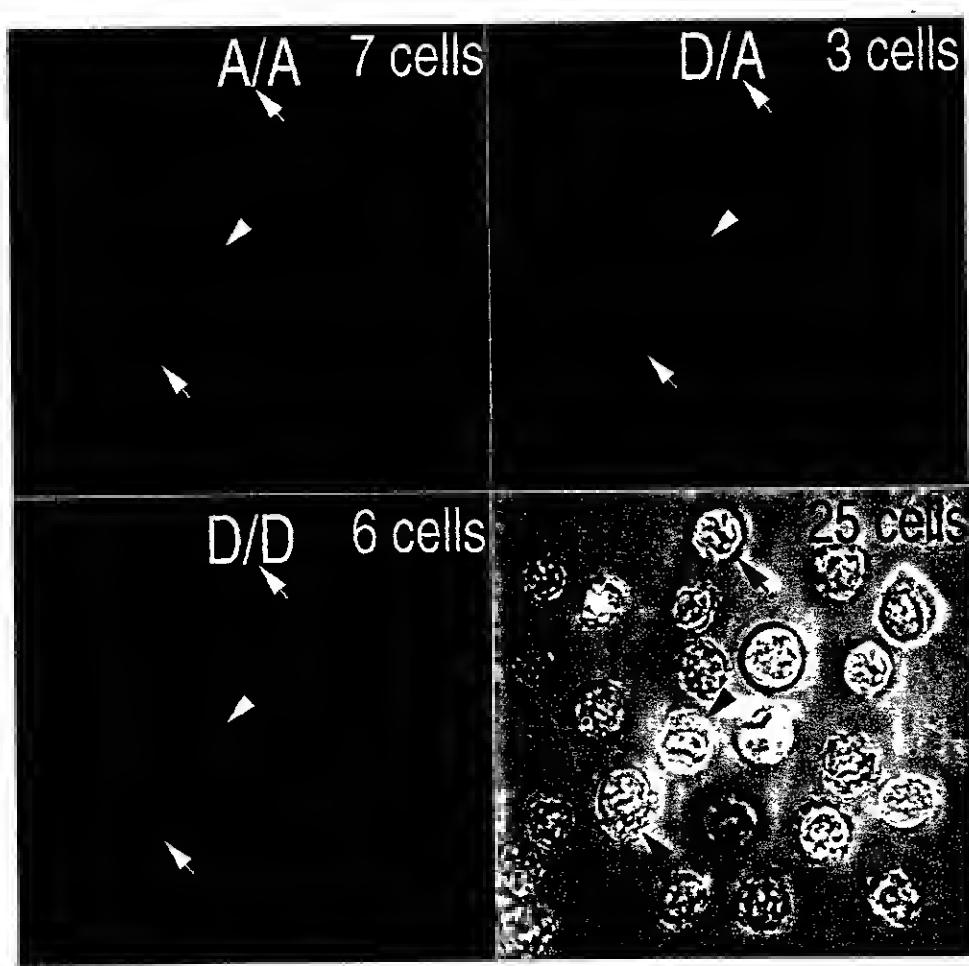


Fig.59



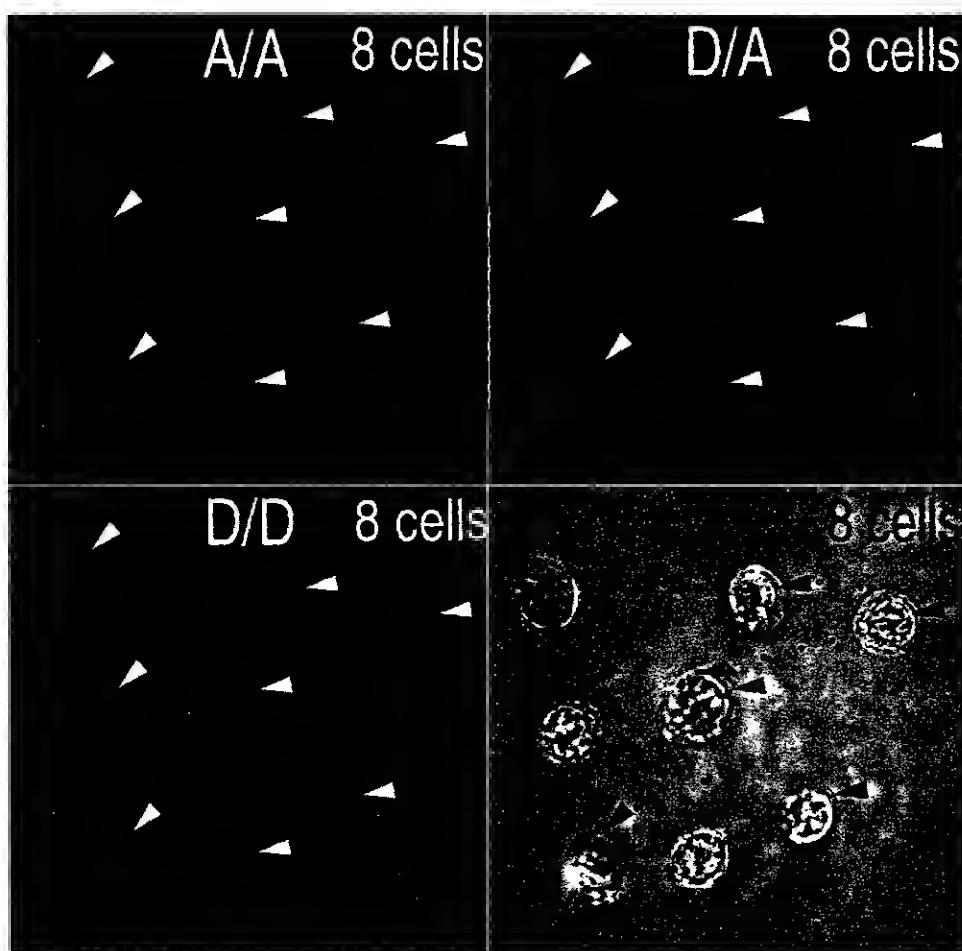
Title: Method For Selectively Separating Live Cells Expressing A Specific Gene
Inventors: ISHIBASHI et al.
Atty Docket No.: 400684/SOEI
Leydig, Voit & Mayer, Ltd.
202-737-6770

Fig.60



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Fig.61



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202-737-6770

Fig.62

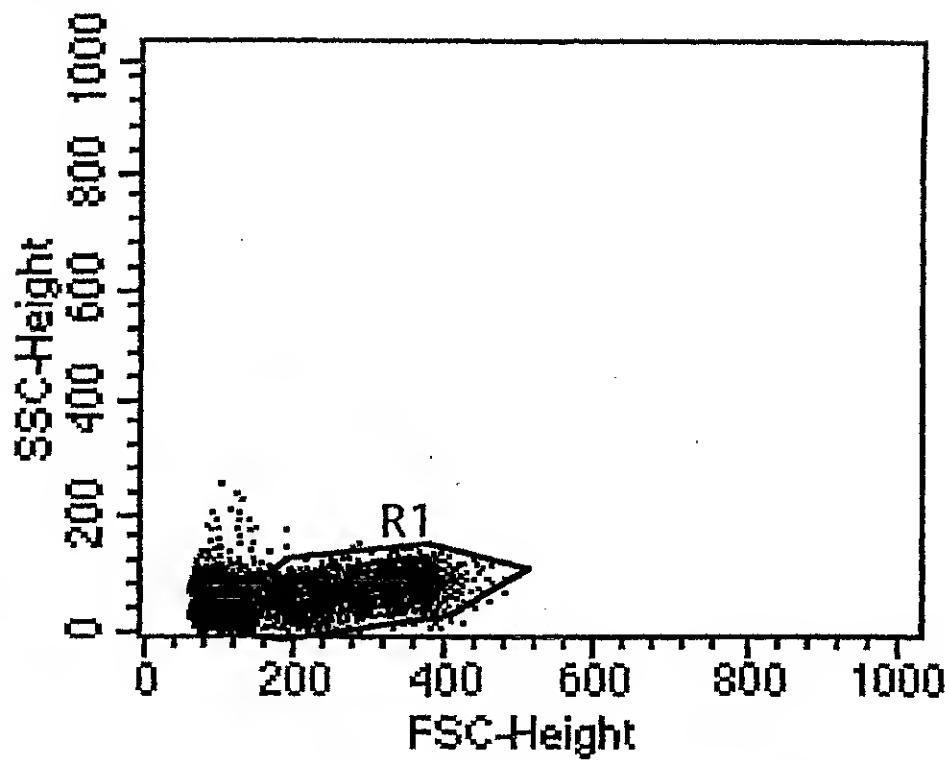
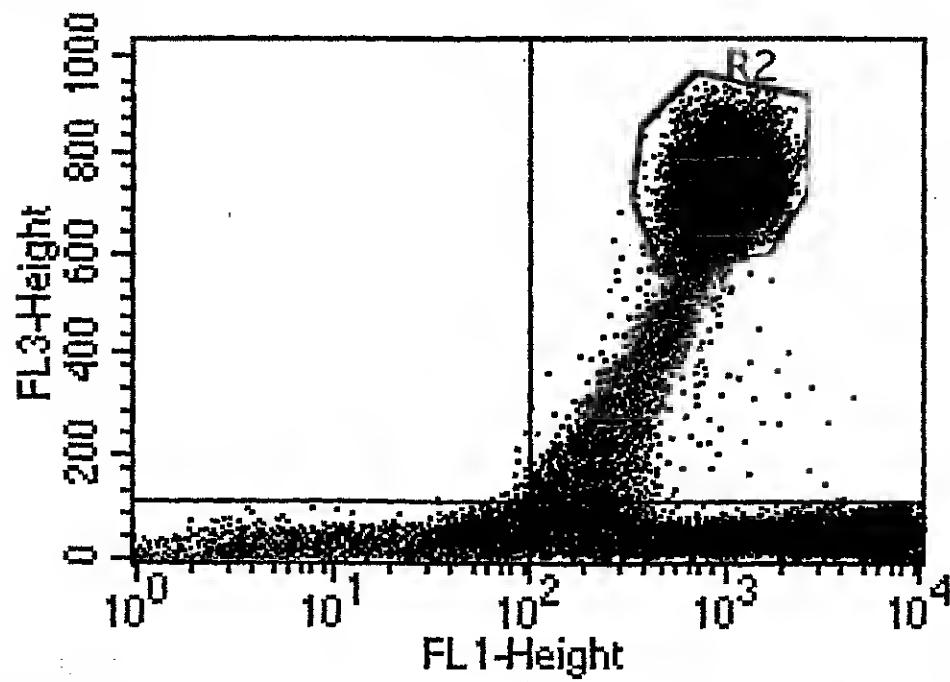


Fig.63



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Fig.64

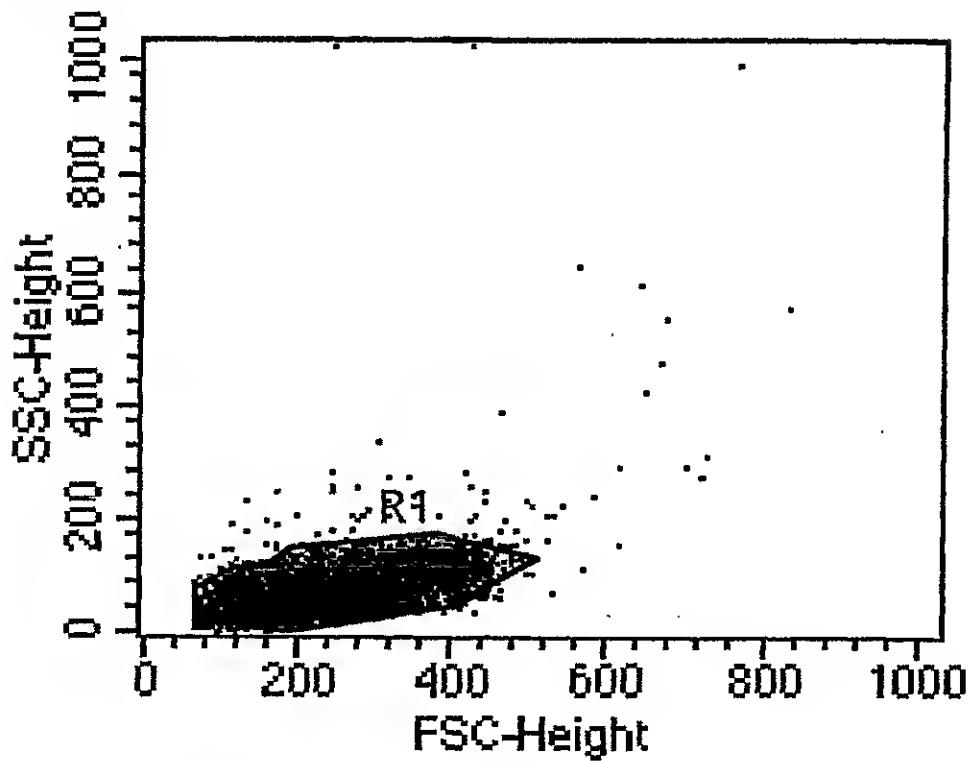


Fig.65

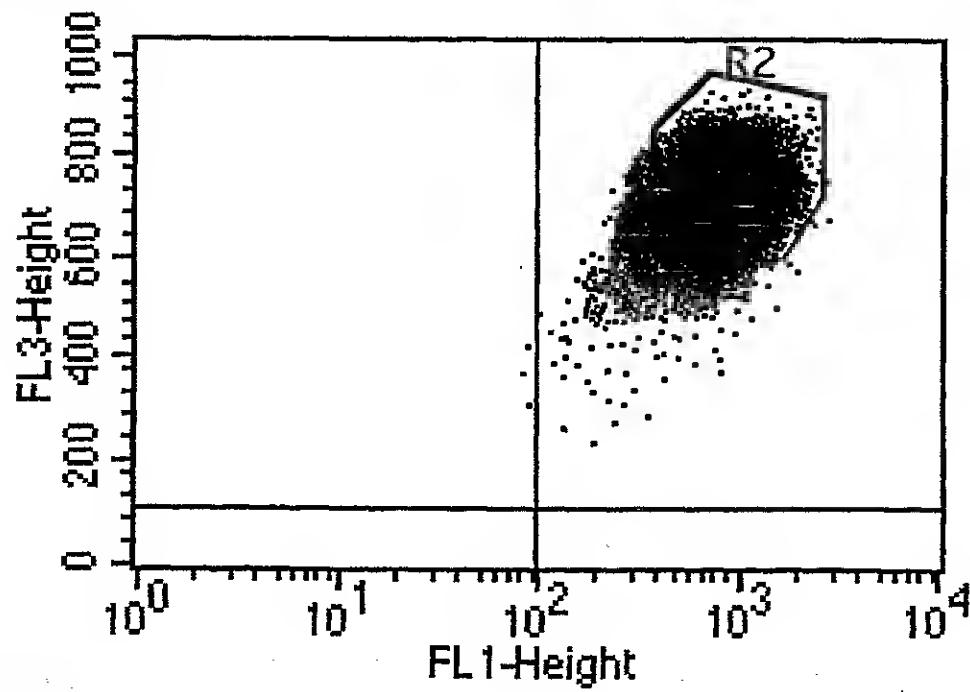


Fig.66

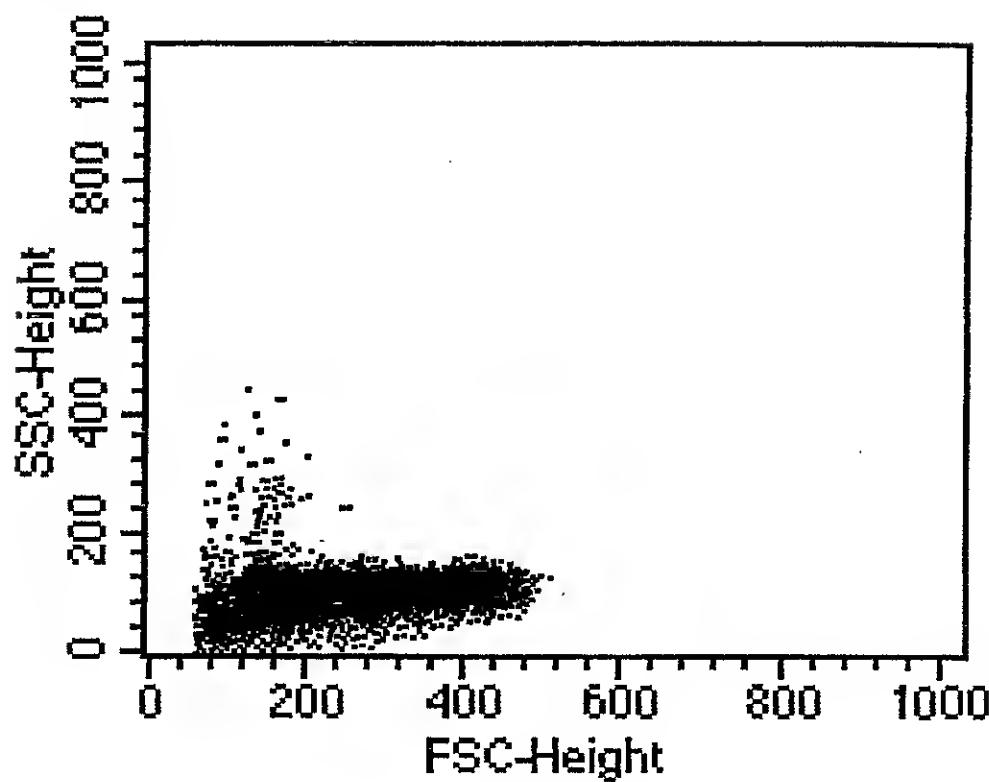
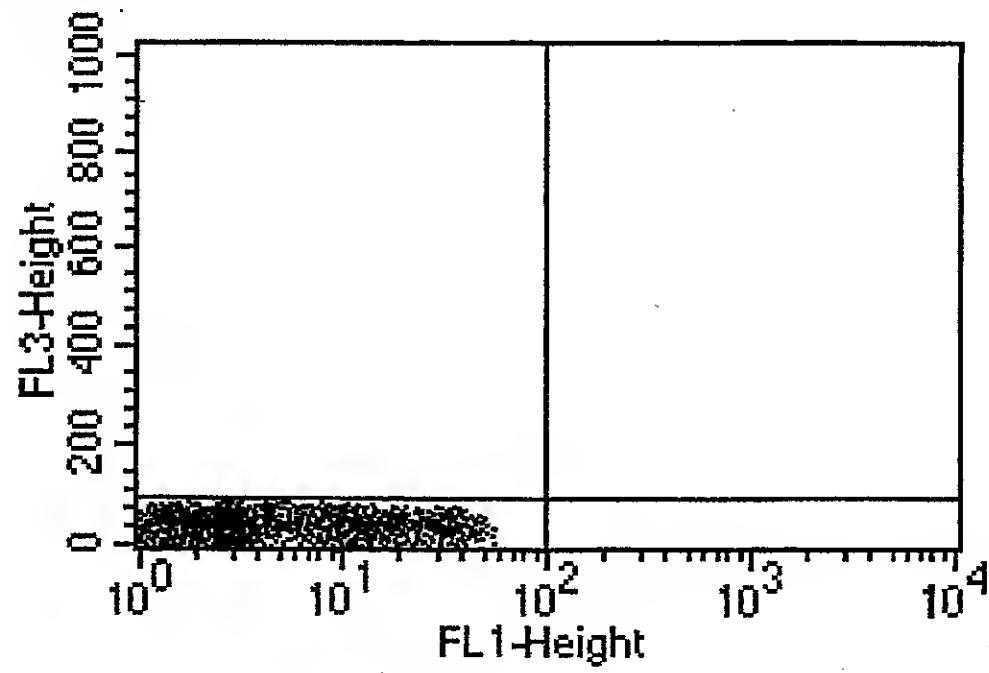


Fig.67



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Fig.68

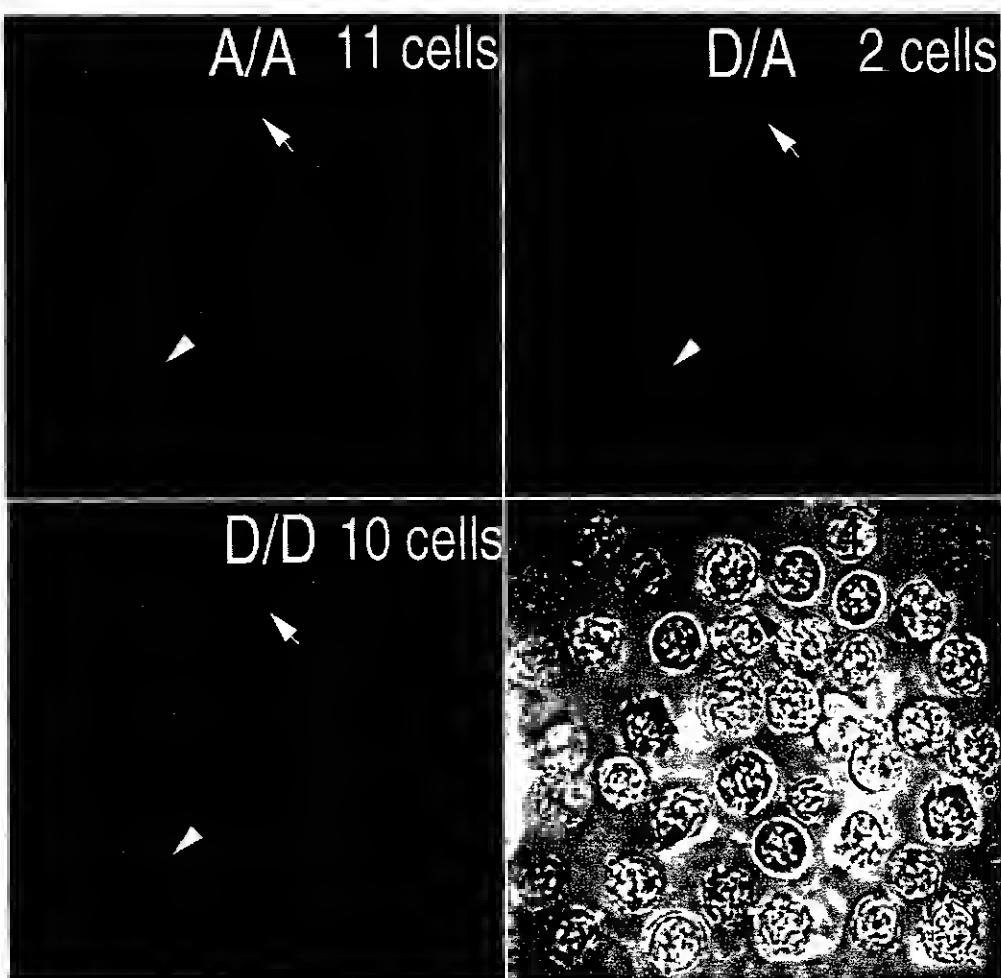


Fig. 69

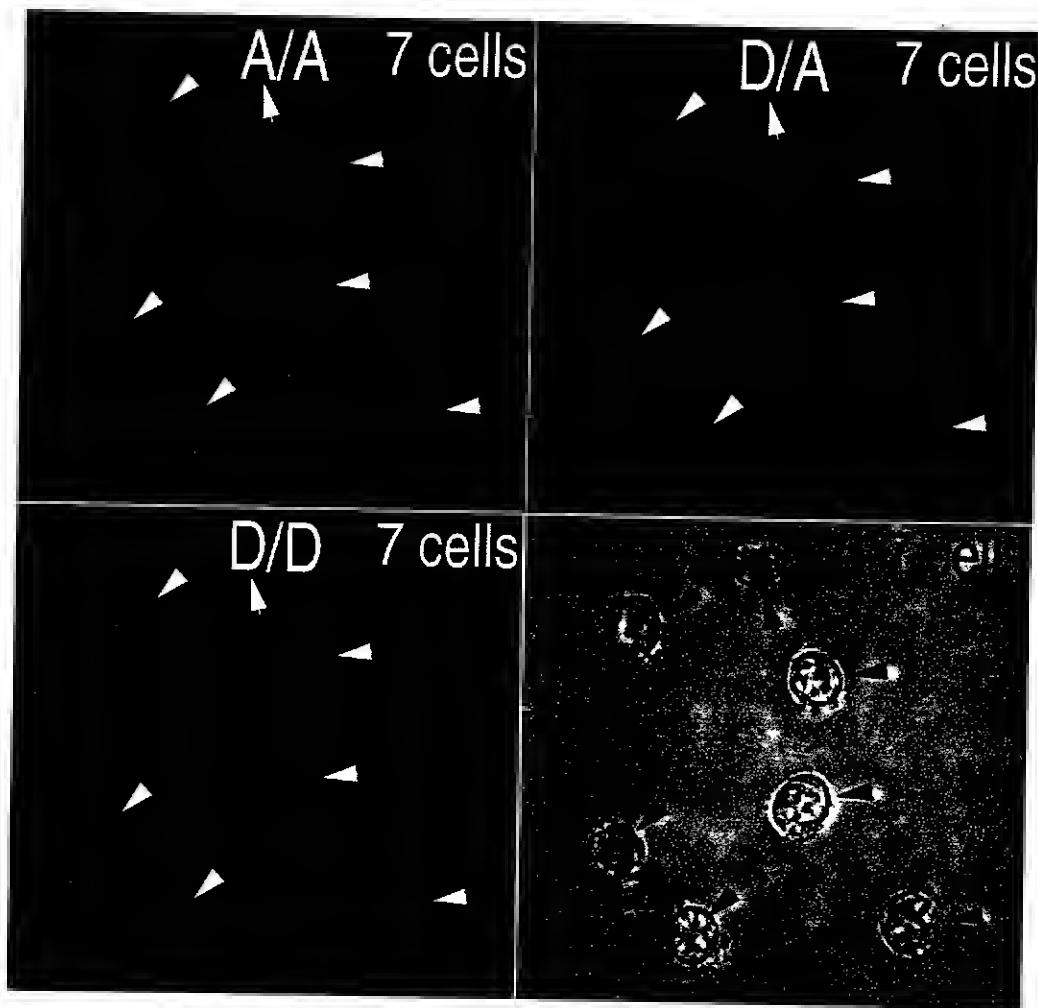


Fig.70

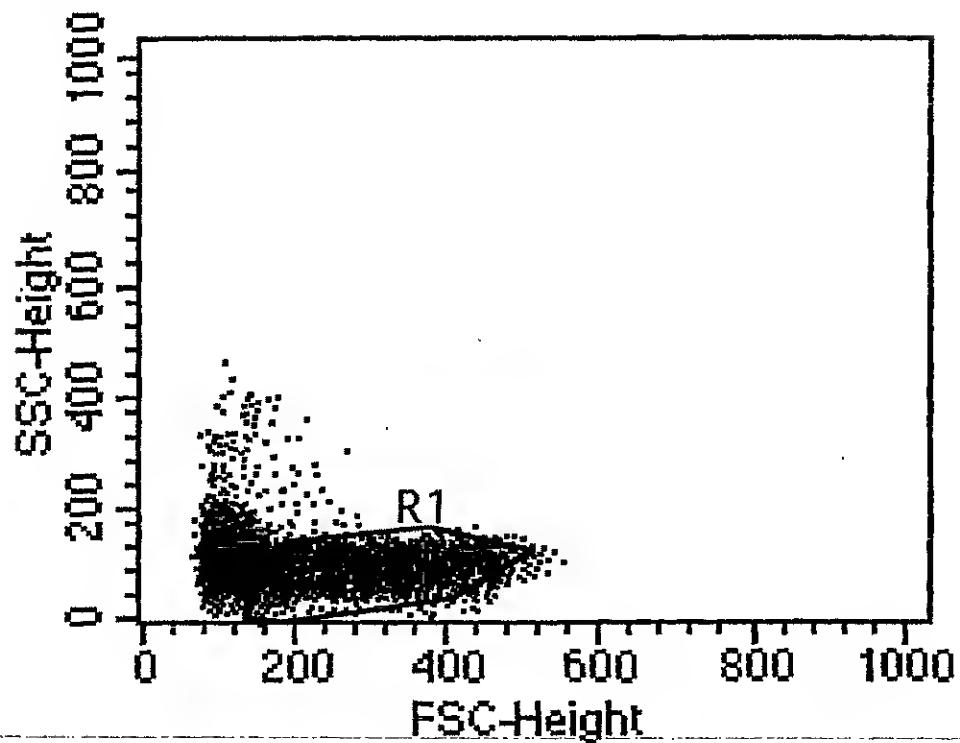


Fig.71

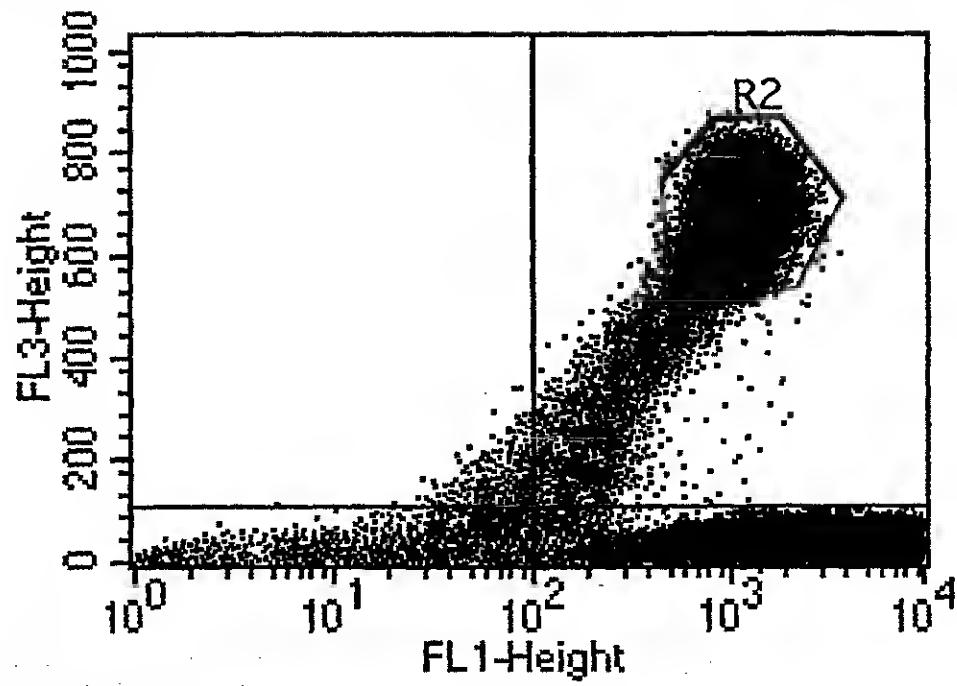


Fig.72

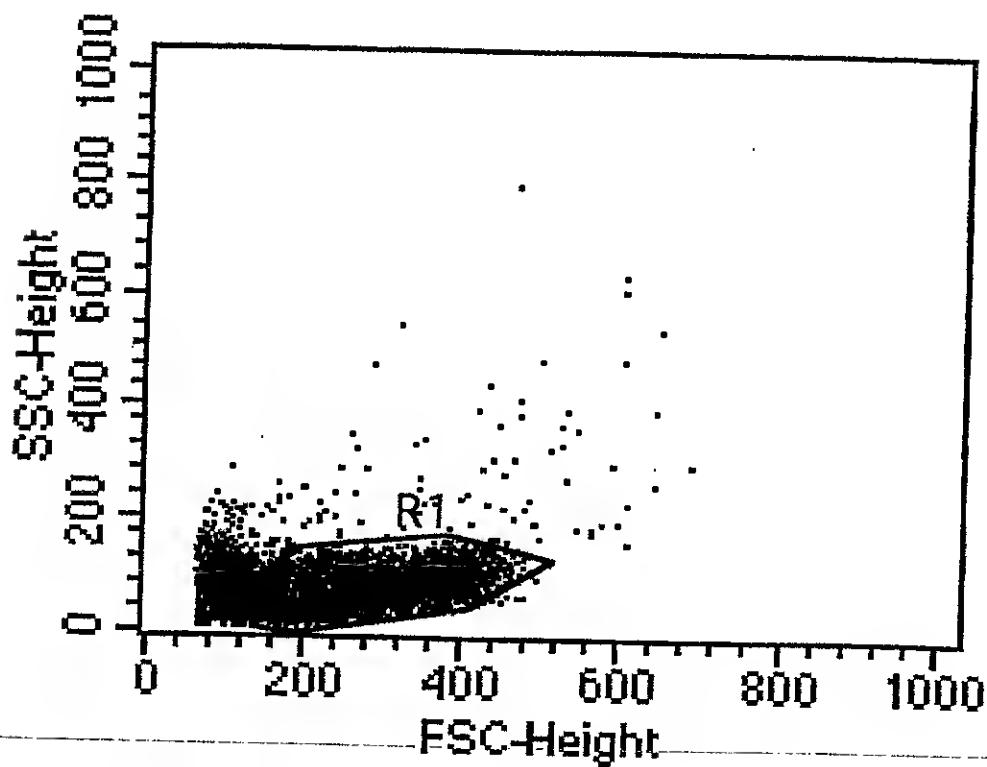
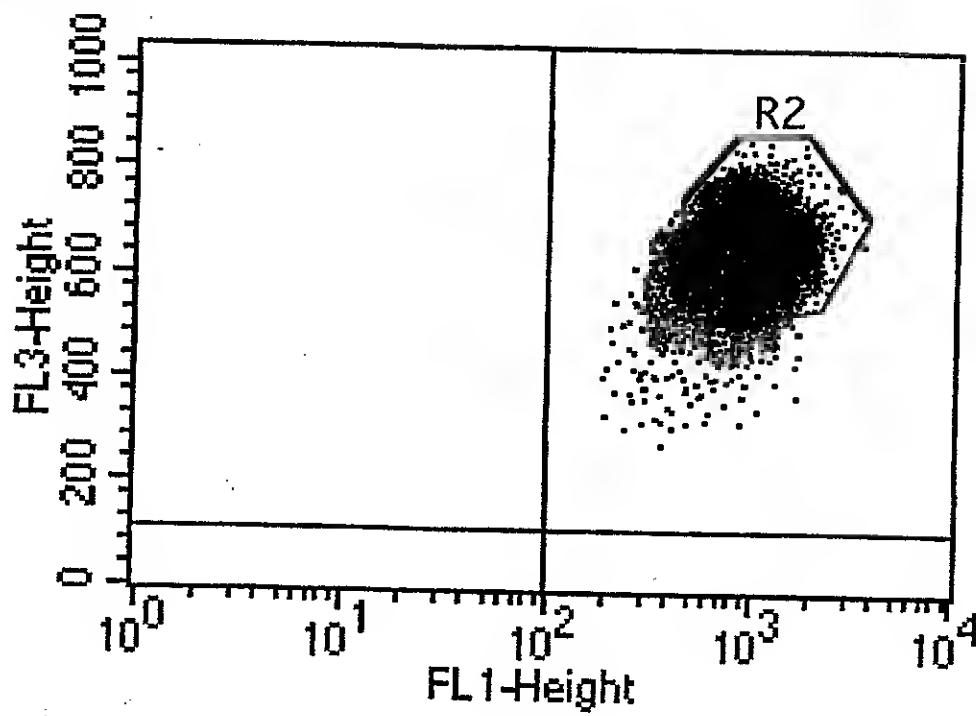


Fig.73



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Fig.74

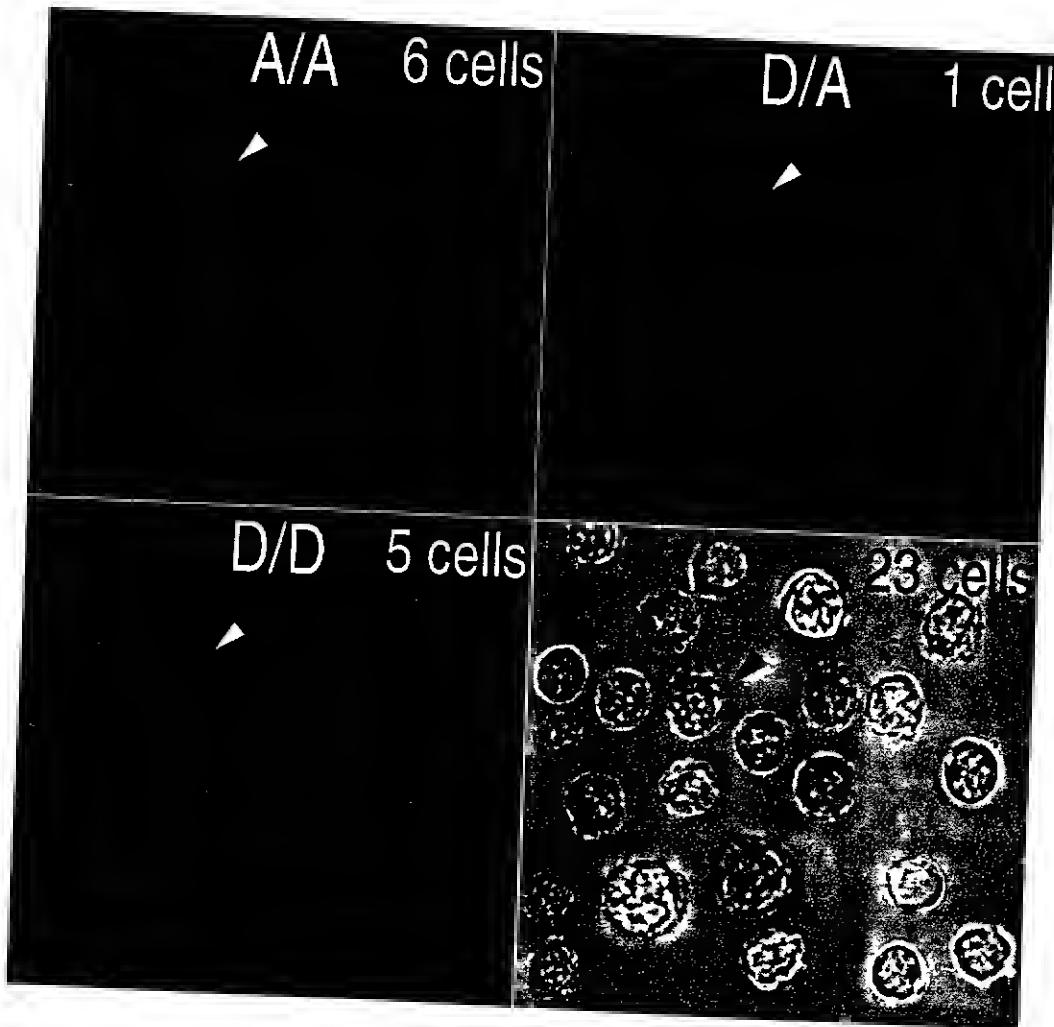
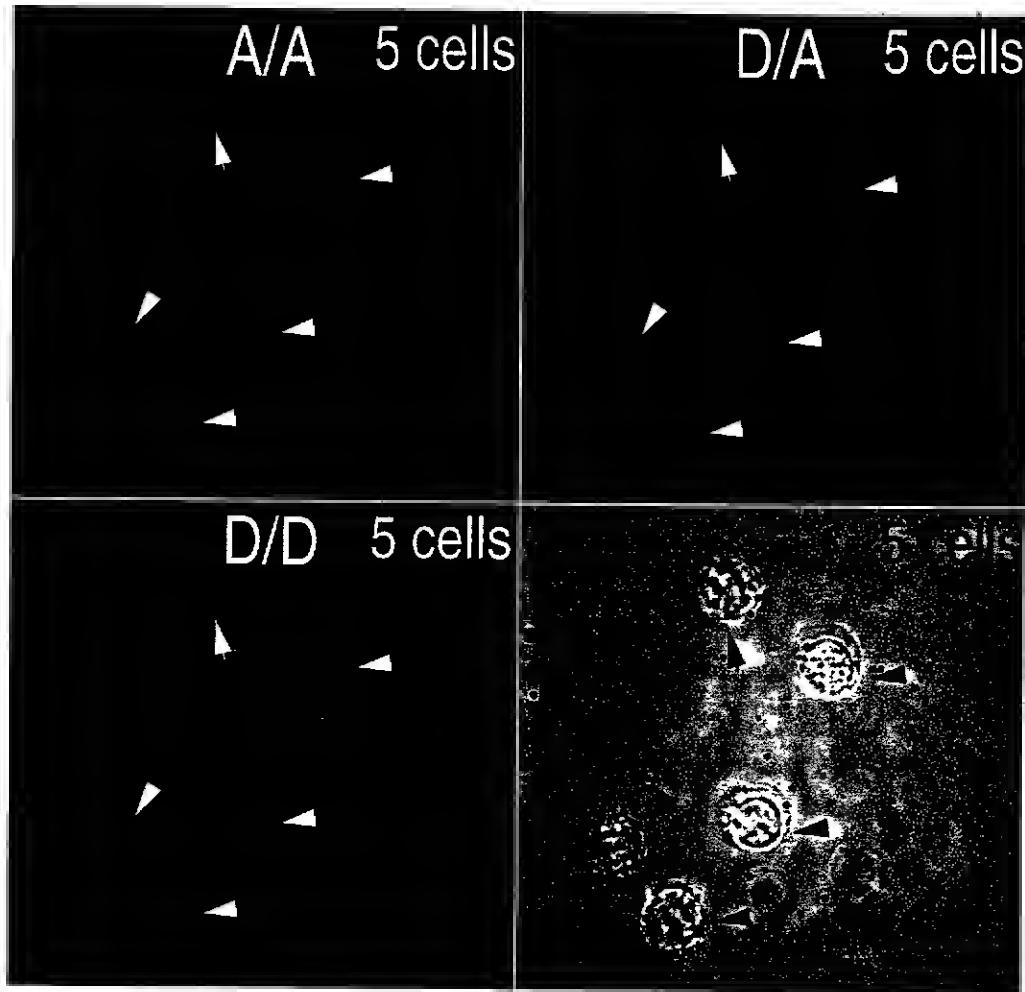


Fig. 75



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Fig.76

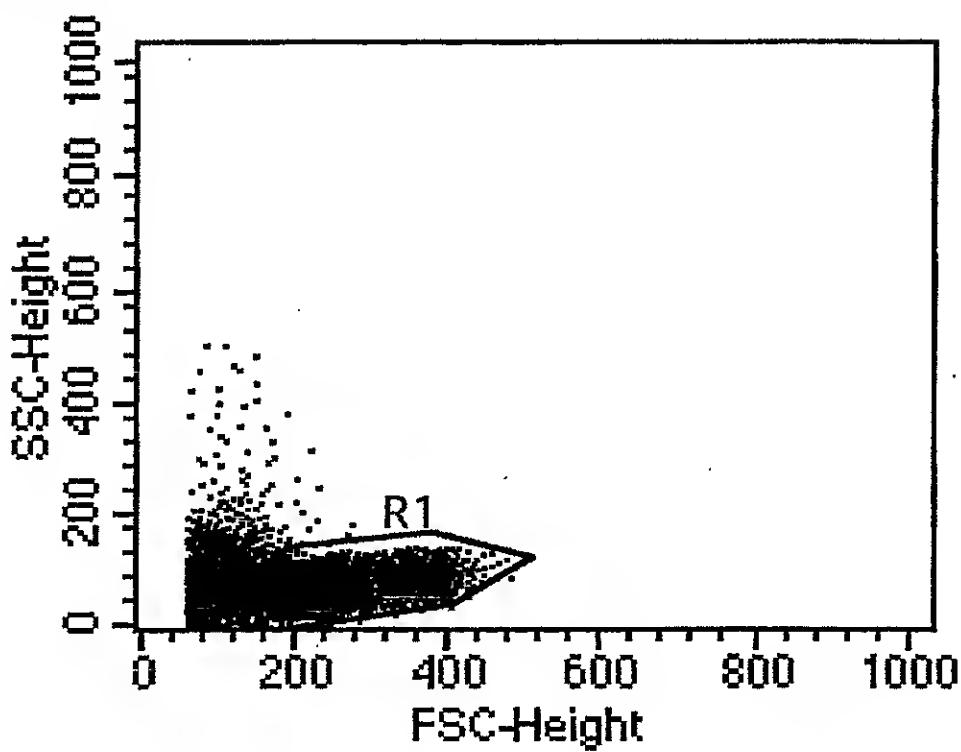
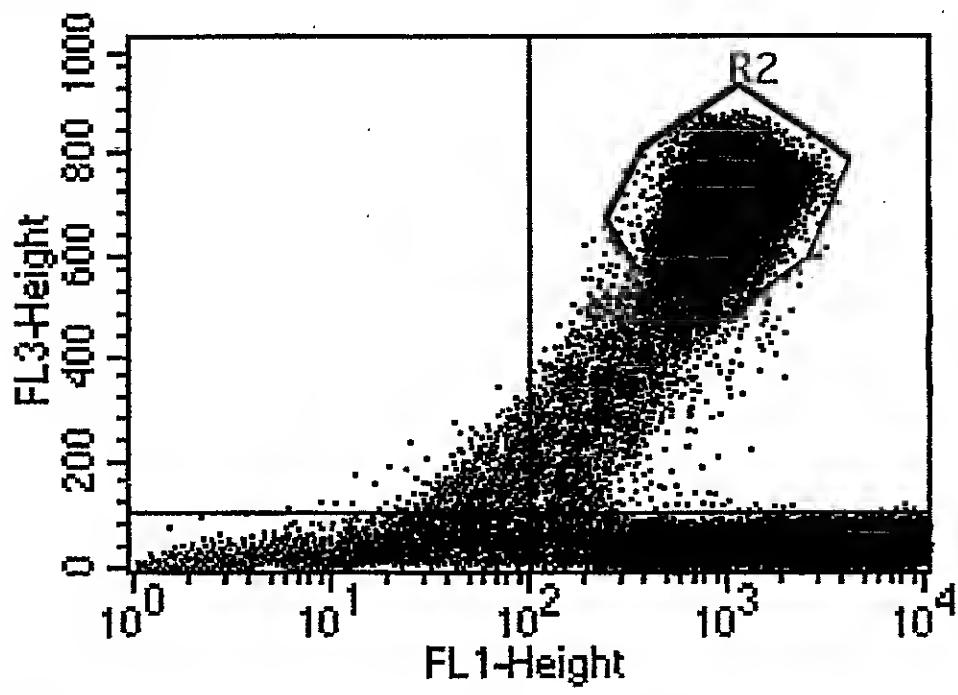


Fig.77



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Fig.78

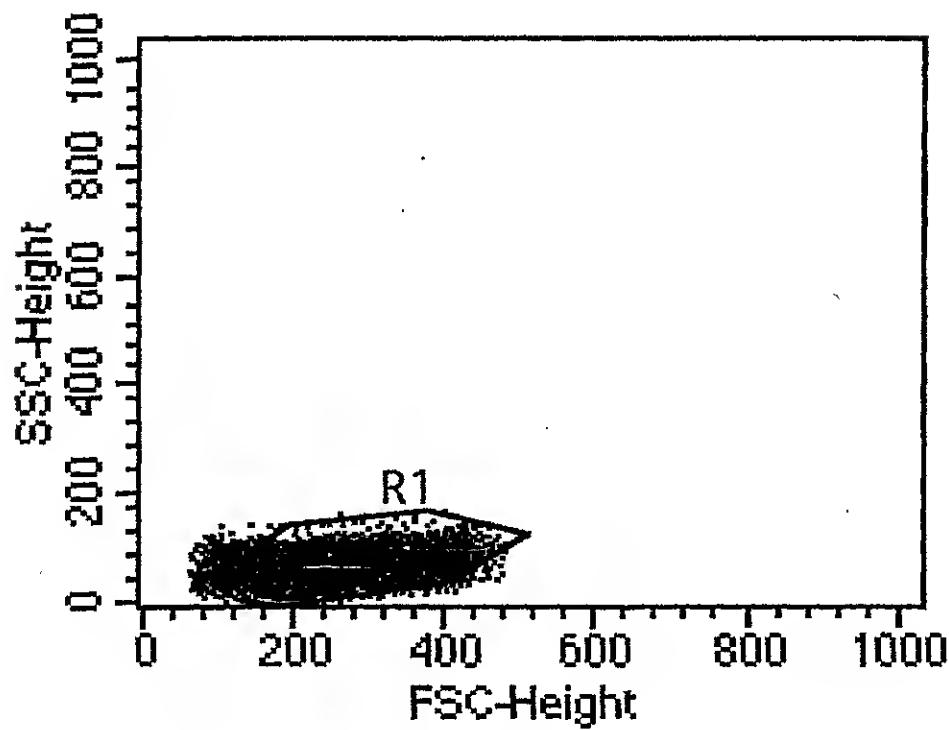


Fig.79

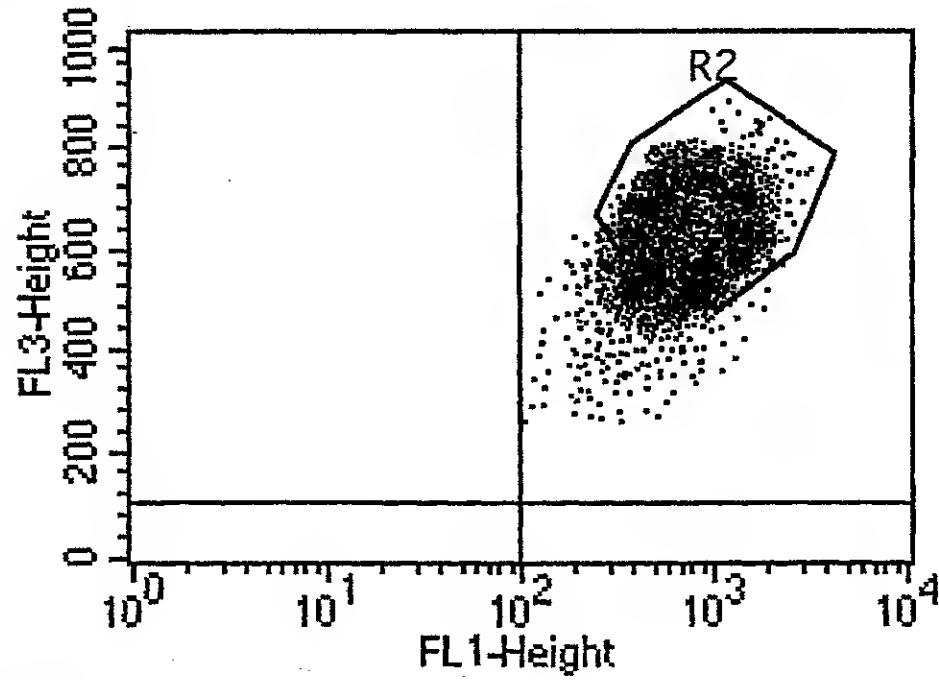


Fig.80

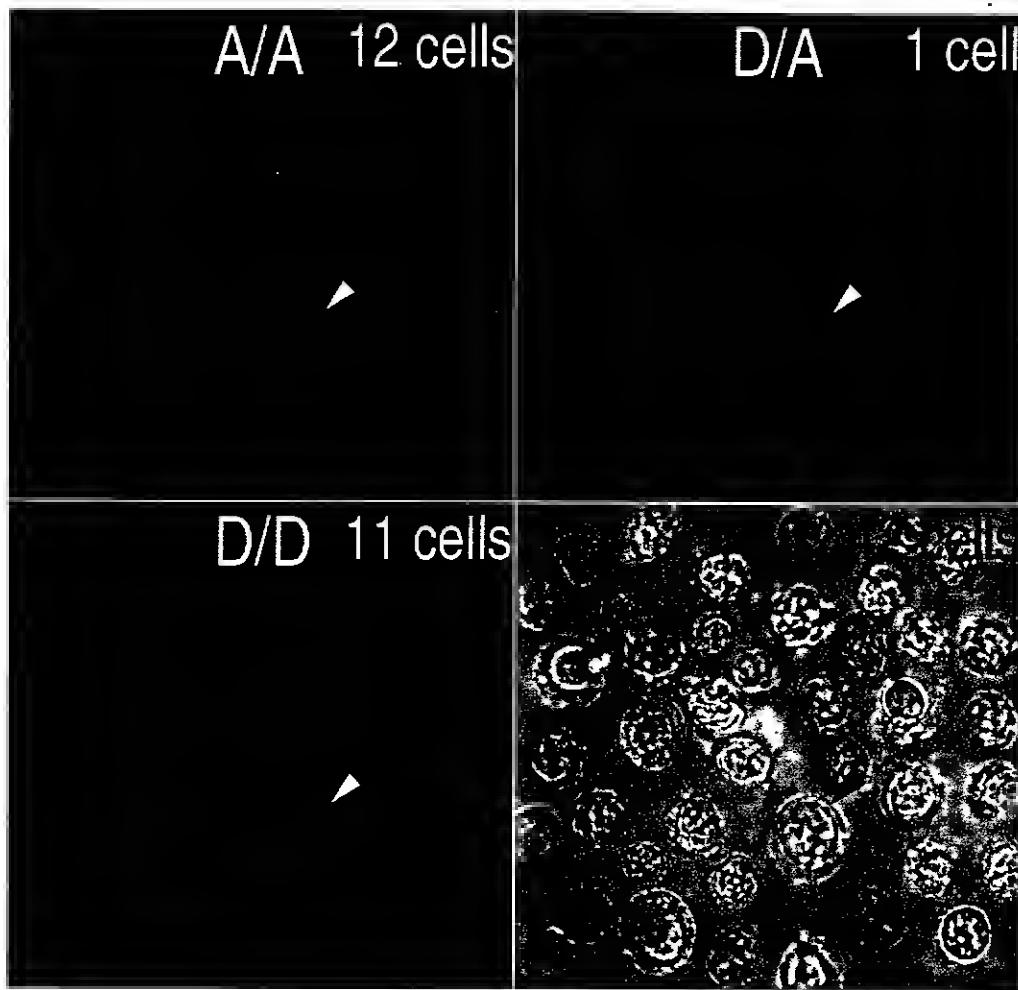
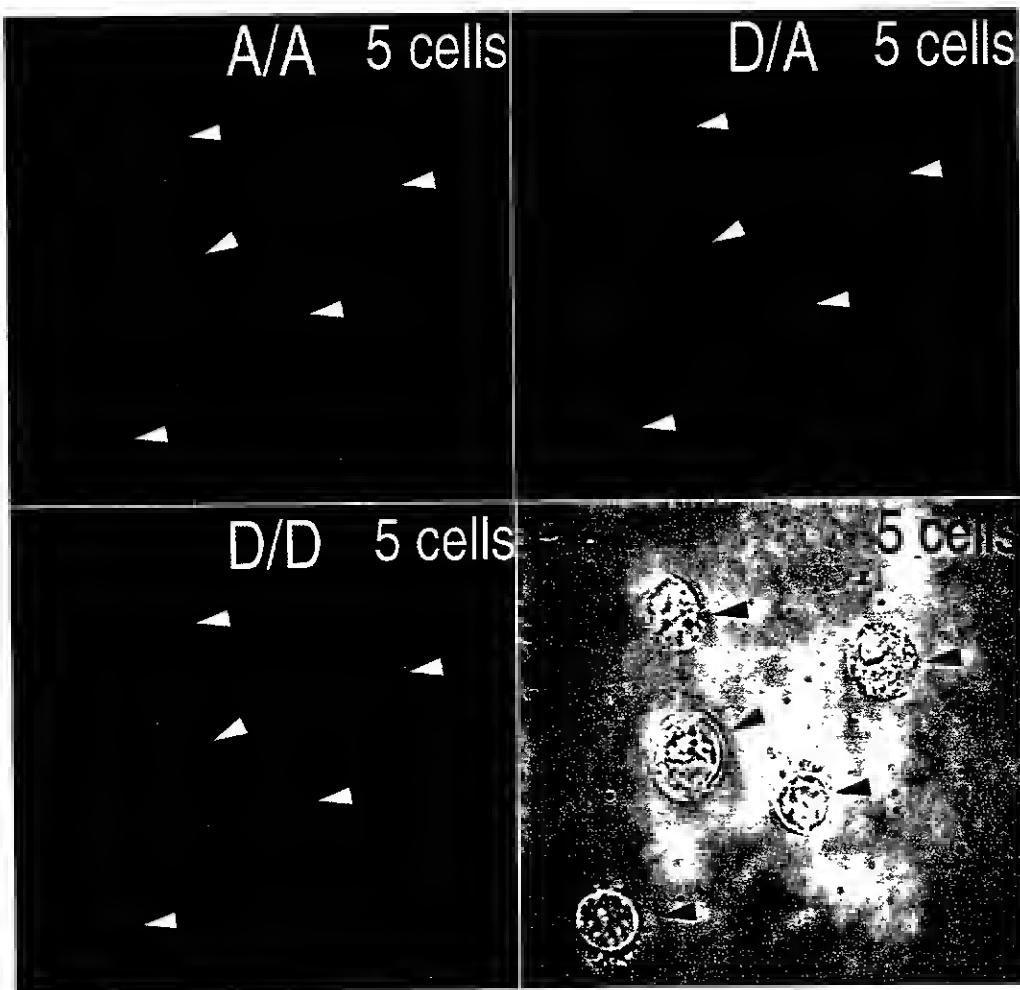


Fig.81



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Fig.82

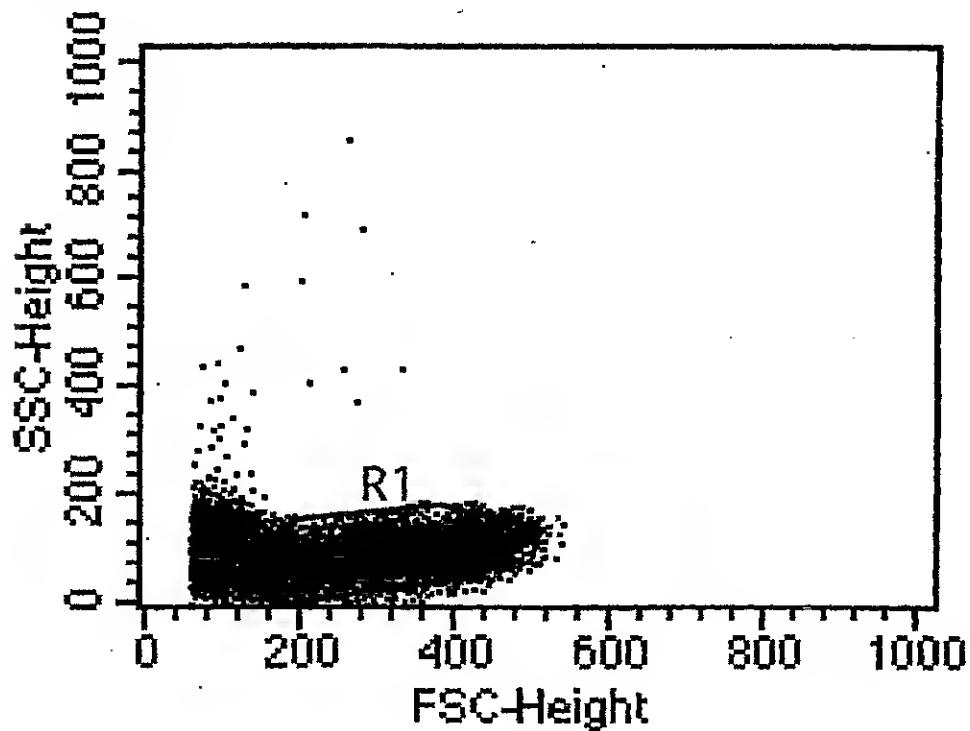
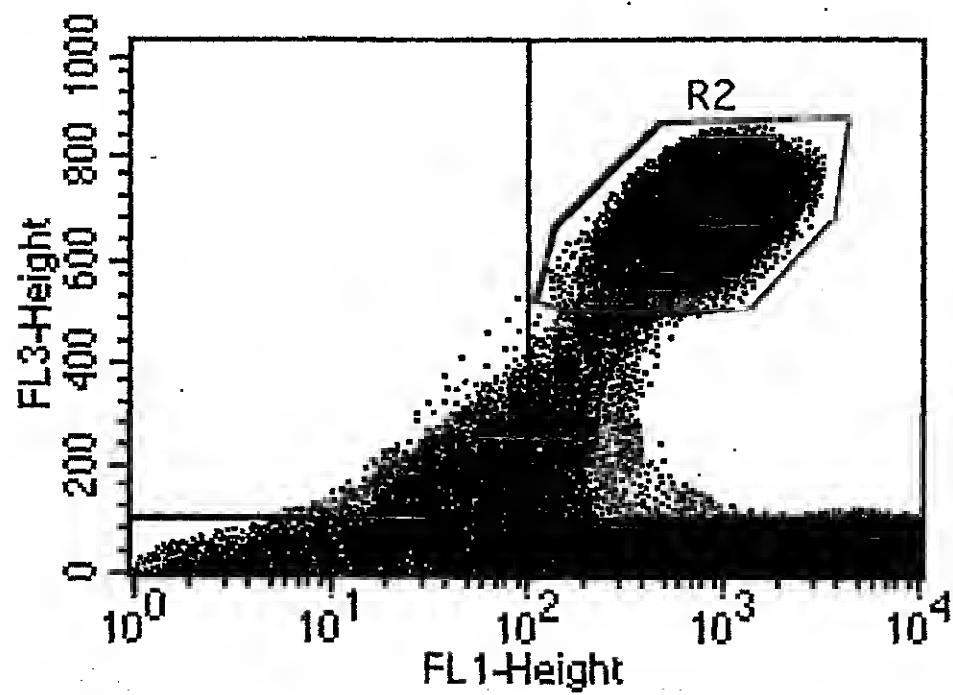


Fig.83



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Fig.84

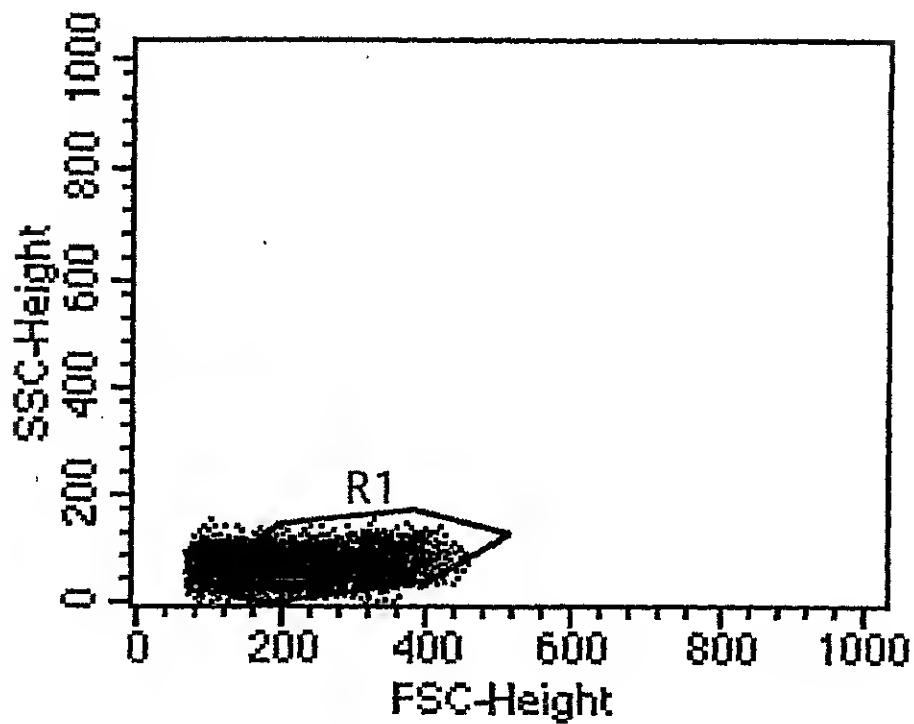


Fig.85

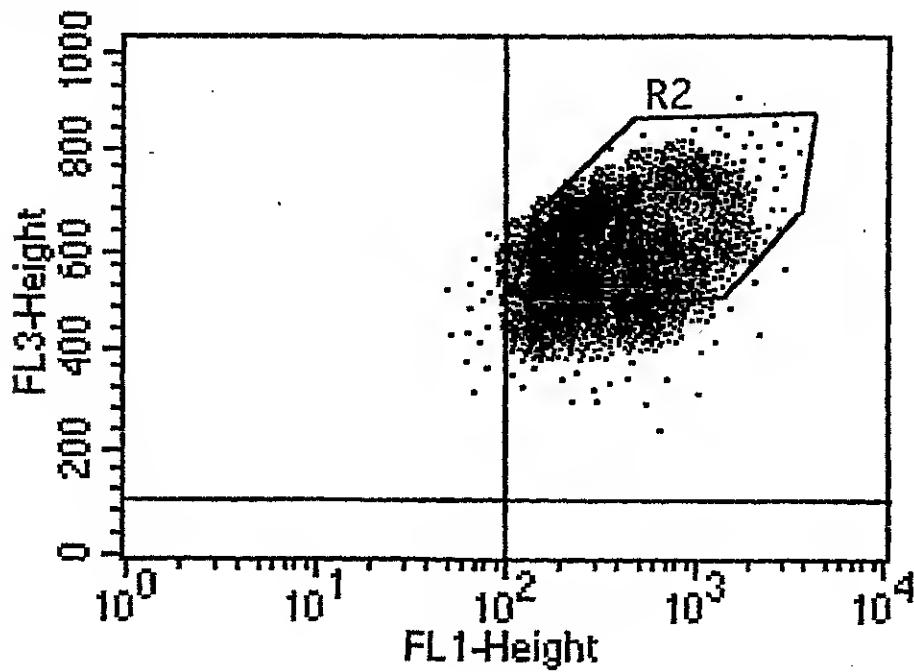


Fig. 86



Fig. 87

| | | | |
|----------------------|------------------------------|------------------------------|---------------------|
| IL-2 mRNA (+); 11/11 | γ -IF mRNA (+); 14/14 | TNF- β mRNA (+); 11/11 | IL-10 mRNA (+); 0/9 |
| IL-4 mRNA (+); 0/10 | IL-5 mRNA (+); 0/11 | | |

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Fig.88



Fig. 89

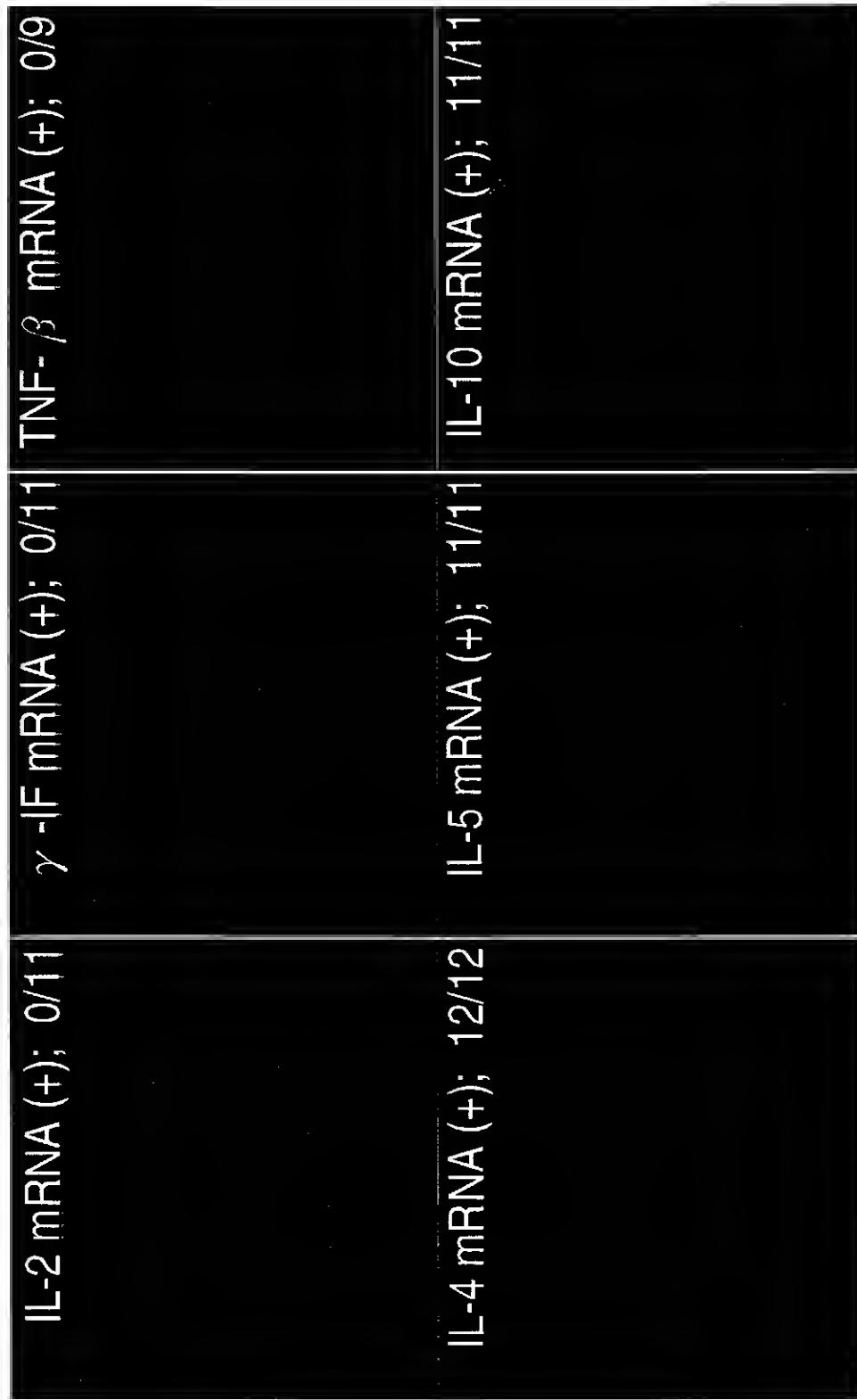


Fig. 90

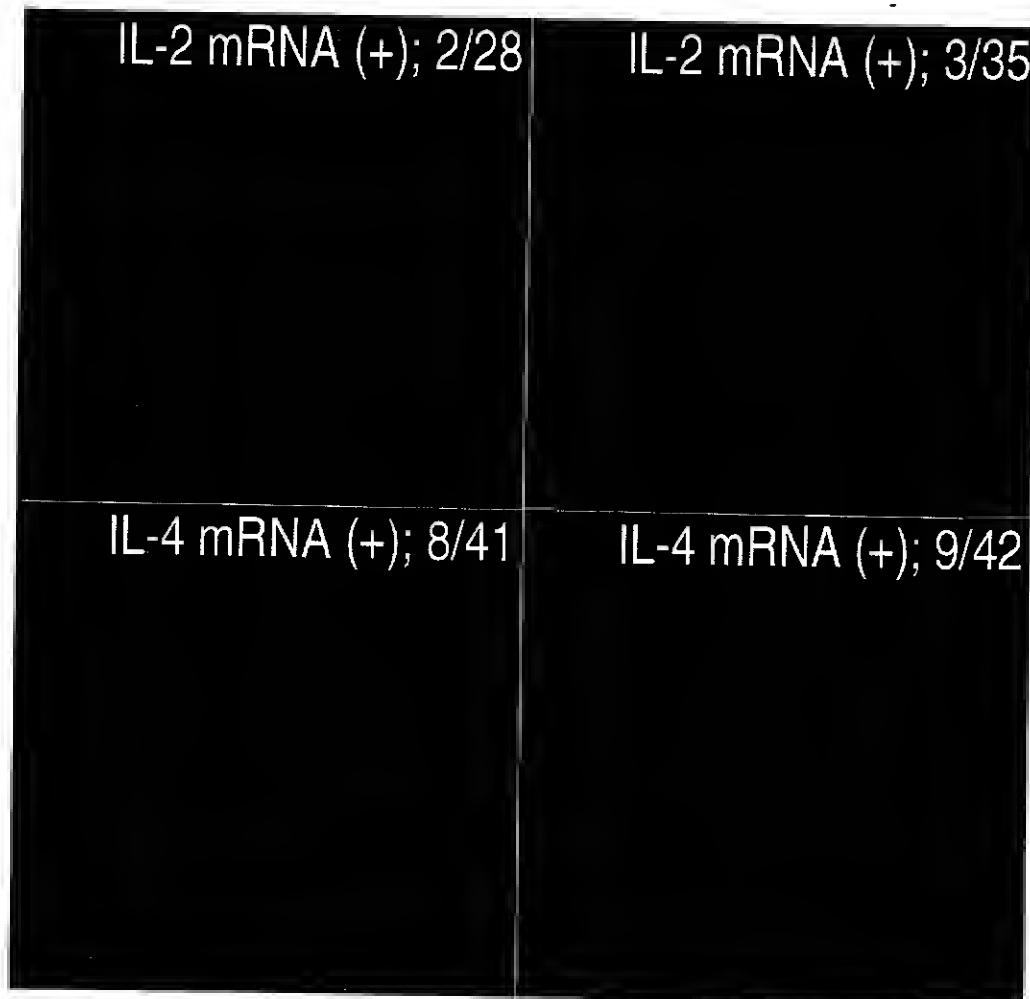
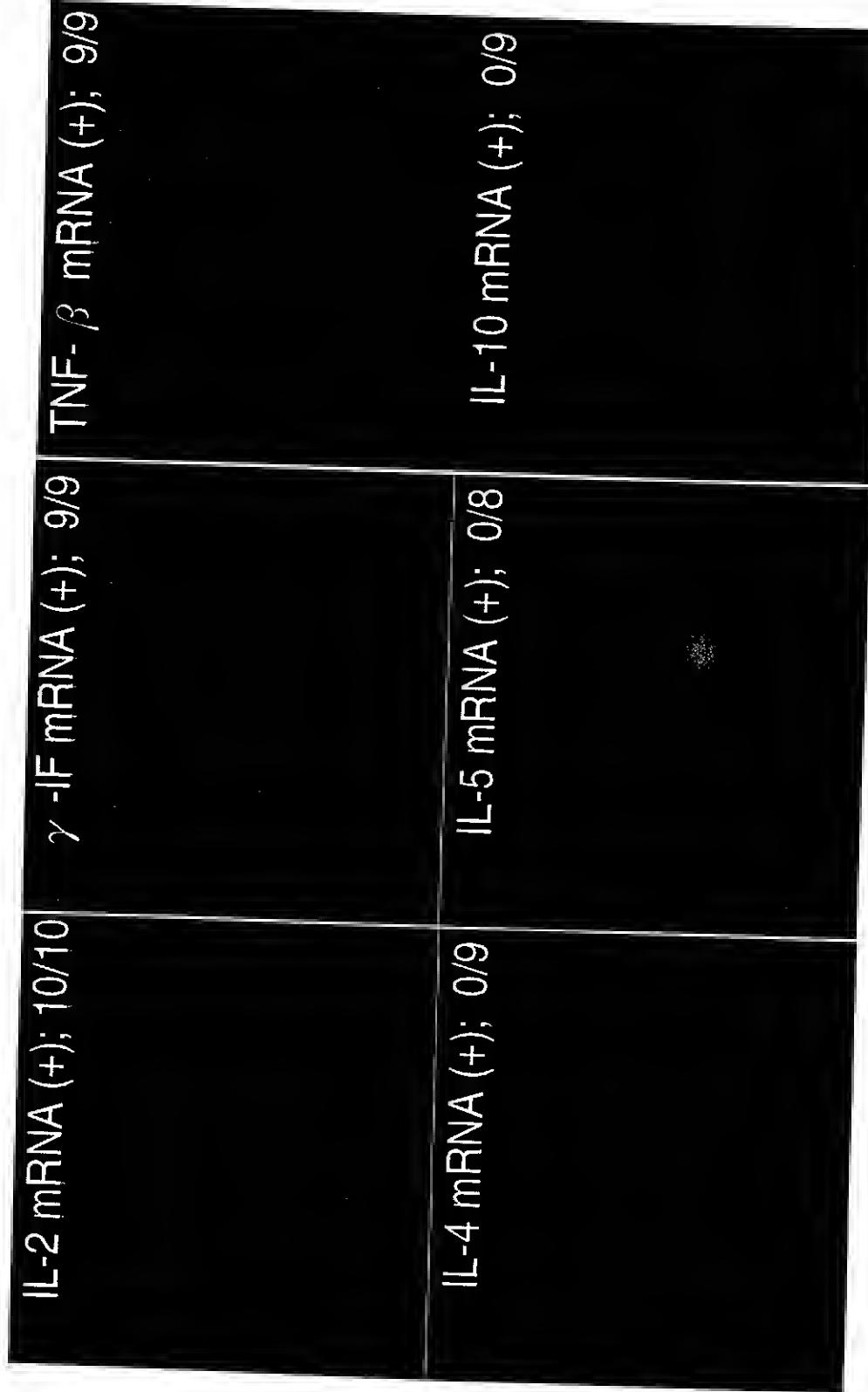


Fig. 91



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Fig.92

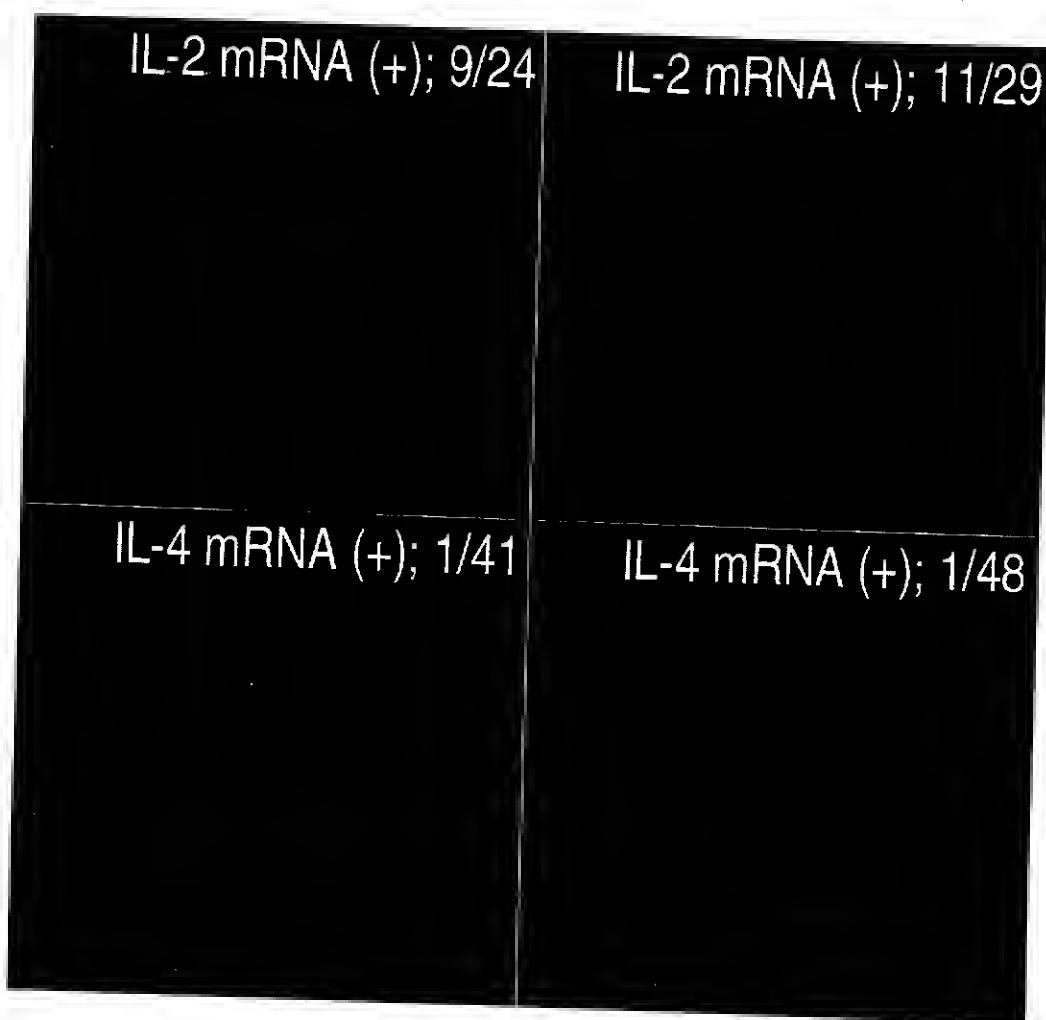


Fig. 93

| | | | |
|--------------------|----------------------------|----------------------------|---------------------|
| IL-2 mRNA (+); 0/7 | γ -IF mRNA (+); 0/8 | TNF- β mRNA (+); 0/8 | IL-10 mRNA (+); 9/9 |
|--------------------|----------------------------|----------------------------|---------------------|

Fig.94

